

<211> 272
 <212> DNA
 <213> Homo sapiens

<400> 31198
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 atattgatga attttaaatg acaaggaaat tgccacattg acagaatttt ggtccatcta 180
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<210> 31199
 <211> 204
 <212> DNA
 <213> Homo sapiens

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 aactcttgac ctccaggtgat cggcctccca cctcggcctc ccaaagtgtt gggattacag 180
 gcatgagcca ccgcaccag tccc 204

<210> 31200
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 31200
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 cattcacaat tgcttcaaag agrataaaat acctaggaat ccaacttaca agggatgtga 120
 aggacctctt caaagagaac tacaaccac tgctcaacga aatcaaagag gacacaaaca 180
 aatggaagaa cattccatgc tcgtggatag gaagaatcaa tatcatgaaa atggccatac 240
 tgcccaagggt aatttgtaga ttccatgcca tccccatcaa gctaccgatg actttcttca 300
 cagaattgga aaaactactt taaagttcat at 332

<210> 31201
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 31201
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 aggccgaggg cwactggag aatgggactg gtgagattca gataggaaga gcaggggaga 180
 aatgggtcaaa gtgagactgg aatcaaaaagg ttggcatttc taaaaactat aattgcactt 240
 aagahgtttt gchaaaggcg atttagttac ccacagttag gracatgggt gcctatgtct 300
 ccagtcactt cccac 316

<210> 31202
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 31202

004220" 665ET560

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tctaagcttt	ttaatgtcta	tcttcagtta	tccaatcacc	acttttcatg	aattttaata	180
atattgctgt	atatcttttt	ttcccacaag	agtttctctg	aggttattaa	agatattcta	240
taatttacat	tctcaatcat	gtgcatttga	ctactgtaaa	tgaagatgga	tgtgagggga	300
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<211> 241
<212> DNA
<213> Homo sapiens

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gtctgttttt	ttttgtttgt	ttgtttgggt	tttttggcaa	taaaagtact	ttgtaccttt	180
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<212> DNA
<213> Homo sapiens

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atgagaaccc	atctctttta	aaaaattgac	tttaatcaaa	gaaacctata	attatatagc	180
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attaaagtca	aactttggaa	ataagacagg	tagataccaa	ctggcatgtg	gcaacttctt	420
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<210> 31205
<211> 403
<212> DNA
<213> Homo sapiens

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gggtctttca	tagagccaaa	atatttcatt	ttgattaaagt	ctaattttacc	gctttttatg	180
gatcatgctt	ttagtttcag	gtcttattaa	ctctttgcct	agtccwagat	ctcaaagact	240
ctctcctatt	taaaaaataw	ataaaaagtaa	tattgtttta	catattacat	ttattttttg	300
tttagagaca	gggtctcatt	ctgtcaccca	ggctggggta	cgggtggcaca	gtcacagttc	360
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<210> 31206
<211> 221
<212> DNA
<213> Homo sapiens

<400> 31206

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 taaaathvtg ttagcaatga agcattaaaa tctccggaa gttaaaggcca aagcaagggtg 180
 atgttttccc cataggrtaa ttcccatctt tagnttggag a 221

<210> 31207

<211> 349

<212> DNA

<213> Homo sapiens

<400> 31207

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 atgttaaaaag gtttcctgga gcacagctag aggttgattc atttcaaata tacttggagt 180
 tcttccatat ttttccccta tggccttatt tgcataaat acttttgact catgacattc 240
 ctgctgaagt ttgaatatcc ctccagaaat actgccagta aaacttatag tctattactg 300
 atagaccaga ccttccttc ttctagtcca rtaattactt ccccataaa 349

<210> 31208

<211> 236

<212> DNA

<213> Homo sapiens

<400> 31208

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 atttattcca tttcagtagc tgataacatg agaaatgctt atataattac agaaatgaaa 180
 gcaaaataact agtcattgat tgacagccag taattactat aaggatggca aaacaa 236

<210> 31209

<211> 200

<212> DNA

<213> Homo sapiens

<400> 31209

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 taaggcagag actccctac ctggcgcca gcccaacca gctggccgct cctgcccattg 180
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<210> 31210

<211> 386

<212> DNA

<213> Homo sapiens

<400> 31210

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 agattttctgt acgtacattt aaactttcct ggtttacaaa aggtacccaa attaatctt 180
 ttgtaatcgg attaaacata ttaatgcaat aaagacatta caaaccttg tgataatact 240
 ttttaaaaaat atactgtttg cttcattgag cttgaactaa taaccagggg ttcttaattgt 300
 atsgacaaat atggtgtgct ttaatttga ggtgtgatgg twgcaagagg actcttagca 360
 aaccggcca tgtttgctgg atatga 386

<210> 31211
<211> 167
<212> DNA
<213> Homo sapiens

<400> 31211
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ctttaattgt cccttagcca atcaaacatt aaggactatg gaggcct 167

<210> 31212
<211> 64
<212> DNA
<213> Homo sapiens

<400> 31212
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tttt 64

<210> 31213
<211> 382
<212> DNA
<213> Homo sapiens

<400> 31213
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tgaagataat ctatcctgaa tagcacagcg agtcatttag aaatccagta gtaggtgtac 180
actcggacct gtcacatttt ctaaccttta aacattgttt tttgtttctt ttttttgaga 240
tggaatttcg ctcttattgt ccaggggtgga gtgcaatggc gcgatctcgg ctcacctga 300
cctctgcctc ccaggttcaa gcgattcttc tgcctcagtc tcccagatag ctgagattac 360
aggcatgcac caccaccct cc 382

<210> 31214
<211> 178
<212> DNA
<213> Homo sapiens

<400> 31214
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tagaggatca tttgggcctg ggagtttgag gctgcagtga gccatgattg caacaacact 120
gcacttcagc cttggtgaca gagcgagacc ctgtctcaaa aacaaacaaa aaaaaaaaa 178

<210> 31215
<211> 336
<212> DNA
<213> Homo sapiens

<400> 31215
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gtaggctccc aaggccttga gcagcttagc ctctgtggcc ttgttgaacc ctgcagctgc 120
tatcacagg ttagtgacct aggttttcc aggcacagga taaagctgcc agtggatcta 180
cctttctagg ggctggagga tggtagggccc tttccacag ctccactagg cagtactcta 240
gtgggcactt ggtgtggaga ctccaacccc acatttcctc ctcaactac cctagtagag 300

gttctctgtg agggctccaa cctacagcag tcttgt

336

<210> 31216

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<212> DNA

<213> Homo sapiens

<400> 31216

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ggagctagga	agaggttttag	gcaaaactcac	tttattaaac	ctagtttaaat	ggggacctgg	120
ataagtgagg	tgctttgcat	cacgaactag	caggtgcaaa	tggtgggctg	agaacctaga	180
tttcccamyt	cccaattccc	aattctggtc	cccacccgca	tga		223

<210> 31217

<211> 453

<212> DNA

<213> Homo sapiens

<400> 31217

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ccaggctggg	gttgaactcc	taggmtcaag	cgatctgcct	gcctcagttc	ccaaagttag	120
aacattatag	gtcttgataa	ggagtttgta	tttcattctg	agtagccatt	gggagggttt	180
taaagctggg	gagtaaagcc	atctgcttta	ctttttaata	aaatcgctgt	ggcttctggg	240
tggggaaatg	gatgattgaa	gtgggggcaa	aggtaggac	aacaacattg	aaagaaggcr	300
aaacaattar	nagtaaattg	ccgtagtggt	gccccatcac	ctcacctgaa	ttccttctcc	360
ttagaaattc	ttcgttgtct	cctctagcac	attgatcatc	gcatttgrrt	cttgttctag	420
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<210> 31218

<211> 336

<212> DNA

<213> Homo sapiens

<400> 31218

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tactttgaga	gacacaaact	ttcttacatg	gcatttgagg	tttcccagcc	tggatgttgc	120
tttacttttc	aaaaggacct	actactaatt	ggagaaccag	tggtattaca	ttccatgttt	180
tttttttctg	gaaagatagg	cagcttggtt	aacagatttc	ctgtaggaat	acgaactctg	240
ctcttacatg	caggtataca	ggccttccaa	agaaatacag	tattttaagt	ctgatccctg	300
gaccactggg	ggcacacttc	aaaaaggcaa	aaaaga			336

<210> 31219

<211> 412

<212> DNA

<213> Homo sapiens

<400> 31219

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agaagaaata	tcatcaagga	ttattctgat	tatgcatcac	aggtctatgg	acctctgtct	120
cgtcttgggt	gtttcccaga	caacaactca	gaggactttg	tagtaaaaaa	ctactatctc	180
aacacctatg	aaggattagt	ggaacttgag	tcatgtctcc	cagattttgt	gacacaaccc	240
caaatcagag	ctccaaaacc	taaagtcatt	accaccaaag	ctggttttct	gaagagggca	300
gcaaggttgg	actatgagtt	ggcagagggt	cataaggcac	tggtggataa	gaagaataaa	360
gttcttgaag	taaagaaacc	ctcgcttcct	tcaaagaaac	ccaatacctc	aa	412

<210> 31220
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 31220
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 attcctatth tggggtcagt aaatactgtt ttcaatctta atttcttgga tttacttatt 180
 agtttagata agtaaaacct taatggaagt tttgaaatgt attatagatt tctgaaacat 240
 ggcaatttgt ttactgaggt caaaacttca gatggagaga ttatttttta aaaataaaat 300
 agttacgtgc ttgtagcctt ttacataac ttgaattgca gaagattttc atttctcttt 360
 aaaaattatt aggcttttgc caagttggaa acga 394

<210> 31221
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 31221
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 cgctgccgct tcgcccacat ccggtcct 89

<210> 31222
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 31222
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 attgtcagca atttggtgcc ttgactaatg cctagccttt catttttgca caccattgaa 120
 actttaatgt tagtgcaatc tgctgccagt caagccatgt aaaatgaaaa aacttctagc 180
 acggtt 186

<210> 31223
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 31223
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 taattgtgca tatttatgga gatgattkga ttttatatag ataatgtgta ttccatgcaa 120
 tatgacaaat tattgtttca gaccatggat accattttct gtattgaaca ggaatcatga 180
 tgtctactac catctcactg tcggattggg ggagcaaaaag attatttggg tcagcattag 240
 tgttcttttc tgcttgattt tctttgctct gtgttttctt ttaagatcag gagtaaacct 300
 cagtaggtca tkratagttc agagacatag acttgaatta catgaccak attaatataa 360
 cttgtttcgt gttgkgcaat cttttctgga ccatctacct gtgagt 406

<210> 31224
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 31224

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atattccatg ggaaaagggg gggtctatgg tcaaggaaca gggtagacta ttccctcacc	120
tcttgcttct agtttccttt gtgacatctg aaatattatg ttctttattc tgatttaatt	180
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<210> 31225

<211> 244

<212> DNA

<213> Homo sapiens

<400> 31225

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cccaggctgg gcaatgggtg catcatagct cactgcagcc tcaaaatact gggctcaagc	120
aacactccca cctcagcatt tcaaattgat ggaattatgg atgcgtgccca ccatgcccag	180
ctaatttttt ttaagagatg gggctcttct gtgttgmncc atctggtctt ttttttcch	240
atat	244

<210> 31226

<211> 204

<212> DNA

<213> Homo sapiens

<400> 31226

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agcaactsaa agcacctgab gggcgcgaca ttccancccc agcccagtc tctctctcca	120
cgccagcncc aagcatgtsa gtaacccaac ttctcccttt ctcctcccca gactctgcgg	180
gtccttttct gtcccccttc tctc	204

<210> 31227

<211> 171

<212> DNA

<213> Homo sapiens

<400> 31227

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taaatgtaat atctcgggga aaatattaga aaagcacgta attagctgaa gaatgtaact	120
tgtagtccag ctctgcagct tccttaaact taagaaaaag attgggccag c	171

<210> 31228

<211> 335

<212> DNA

<213> Homo sapiens

<400> 31228

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aagcctcaga actgccttca actacatctg tcacctttat agmbcatttt gaaattctgg	180
aagaggatgg gaaacaaaat tctaatttag ctagagctgt gatcccaaaa taagtgtga	240
caaaattgtc taccacagaa aggcgcctct tgtcatcttg taggcacac tgctgctaaa	300
tcacatcagt acatgccttc tgtggggaga tggca	335

<210> 31229

<211> 378

<212> DNA
<213> Homo sapiens

<400> 31229
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actttctctt tttggttttg tttgtttgct tgtttgtttt ttgagacgaa kytcgctctg 120
tcgcccaggc tggagtgcag tgggtgtcatc tcggctcact gcaacctccg cctccccggt 180
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gcctggctaa ttttttgtat ttttagtaga gacgggggtt caccgtgtta gtcaagatgg 300
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acatgagcca ccgtgtcc 378

<210> 31230
<211> 157
<212> DNA
<213> Homo sapiens

<400> 31230
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gcttctbgaa tagtatkttc atctcgtcca ctttttt 157

<210> 31231
<211> 190
<212> DNA
<213> Homo sapiens

<400> 31231
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aaaaaaatcc attcttactg aaataaaaga atccttgttg ccaatatacc ctgctgacga 120
aacaggaggc cncaggagt gtgctggaag agccatcctc ctctcttcag cctctacca 180
tagtggtgcc 190

<210> 31232
<211> 356
<212> DNA
<213> Homo sapiens

<400> 31232
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caggagcaac ctgtttctac tcacgatgac ttttctamct cctgggtttg ctttaattaag 120
cgtgtgcac ctccttgccc tcttctgttc gtcagaagat ccttgatgta tgggagattg 180
agtcaacagt caggaaggct ctgagtgtcc cagtggaagc catttctcgc gttgccggag 240
ggttcttagc caccatatct gtgggggtgc tattagtcag ggttctctag agggacagag 300
ctaataggat agatgtayat atgagaggag tttatttagg agtattgact cacaat 356

<210> 31233
<211> 230
<212> DNA
<213> Homo sapiens

<400> 31233
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ggtggctcat gcctgtaate cctgcacttt ggaaggctga ggcagatgga tcacctgag 120

ttgggagttt gagaccagcc tgactaacat ggtgaaaccc cctctctact aaaattacaa 180
aattggccgg gcgtgttggt gcatgcctgt agtcccagct actcaagagt 230

<210> 31234

<211> 247

<212> DNA

<213> Homo sapiens

<400> 31234

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gtaatcccaa cacttgggga ggccgaggca ggtcgatcat ttgcgccag gagtttgaga 180
ccagcctggg gaacacggca aaacctgtc tctatataag ataaaaaaca aaaattagct 240
gggcgca 247

<210> 31235

<211> 438

<212> DNA

<213> Homo sapiens

<400> 31235

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tcttgaksnw tggctgagcg ctgttgctca ggctgtaat ccagcactt tggaaagccg 180
agggaggtag atcacctgag gtcaggagtt tgagaccagc ctggccaaca taatacaaaa 240
attagccagg tgtggtggtg ggtgcctgta atcccagcta ctgaggaggc tgaggcagga 300
gadtgtcttg aachmaggm ggtgagggtg cagtgwgcc agatctcgcc actgcactcc 360
agcctgggcg hcagagcgag actctgtctc aggggggraa mmaagwtttt gaacccccca 420
aartatcaca tatctagc 438

<210> 31236

<211> 264

<212> DNA

<213> Homo sapiens

<400> 31236

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gtgatcaggg acaaaaatat aaataatgat ttggaacagc aaaggagaa acactaagaa 120
aaacacaagg aaatggagtg aaatgatcag aagcaaaaaca taatttgtgg aaaatggagt 180
aagtgcagga gcaaaaggag taaatgtaag agaaacccta ttcaaagaaa taatagaaga 240
maactcattt gagctgaagg aaaa 264

<210> 31237

<211> 349

<212> DNA

<213> Homo sapiens

<400> 31237

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tcaacagtag taacatcatt gacataaatg tttagccttt cagcatatta aatctgaaga 120
gtatagcact tttctaaata tatatcctgt cacgtttgtt atgtttatct cttacctaag 180
ggtcttctaa ttctttaaat gtacagataa aattttctcaa aacttttgcc cggttccaac 240
accctataga tgcagtatga gtgcatcacc agtagatgac actattgtat atttaataac 300
aaactagatt cttgtttttt taagatgaat cagatacaaa ggcagctct 349

<210> 31238
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 31238
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 taatttgtaa atgcttttaga gtttttttaa ttaacaottg tgttgctaaa ttctatttat 180
 gtaagtctgc taaagttttt tagcccaactt aaaacttaag acaaccattt aaaataatgg 240
 atgggttact atgagcaatt tcgcttttcag aaccccccttg ttttagtata tgaaaaagcc 300
 taatgcgctc at 312

<210> 31239
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 31239
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 gggaggggctc caggcctttt tgaaggggtg ggagattgag atcattaaat atgggtgaag 180
 ttgaactgtt cagtttgctc ataggttcaa gattggggaa tggtagtcat attttattaa 240
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 gtgtattgcc cggtaa 376

<210> 31240
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 31240
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 tcccactatg ccacgctgc 139

<210> 31241
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 <212> DNA
 <213> Homo sapiens

<400> 31241
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 gaagttgtac ctgtgccctg gcgtaacgtc agtggaagct gccccagatt tggggcttta 180
 gccccttgga gaaaacaggg ccacatagct gcctttctat caagtctccc tayaaaactg 240
 agaggctctg ggaaactcag cctgtgacct cagcgtgggt gaagatagga tcaagatggc 300
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<210> 31242
 <211> 262

<212> DNA

<213> Homo sapiens

<400> 31242

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gagtgacccg attttccagg cawgcttaca cacaggacat agttcagaag gcattagaag	180
gcatagagta aaaagggatg gaagaagata cttggaaaaa tcagggaaga gtgaagaaga	240
tacttcaaaa aatcggggaa ag	262

<210> 31243

<211> 222

<212> DNA

<213> Homo sapiens

<400> 31243

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gattgtttta cttgtaacct atgatttggt tttagcatta acggttgtct gaagatctat	180
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<210> 31244

<211> 255

<212> DNA

<213> Homo sapiens

<400> 31244

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agtcccagca ctttgggagg ctgaagtgtg aggattgttt gaggccagga gtttgagacc	120
ggactgggca agaaagtga cctcatctct agaaaaattt ttttaaaaag ctgggtgcag	180
tggcatgcac ctgtagtccc agctacagaa agctgaggtg ggaggatcag cttgggtgac	240
acacacacac acatc	255

<210> 31245

<211> 350

<212> DNA

<213> Homo sapiens

<400> 31245

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kggaaaaaaaa aacgttgctg aagttactag aaaagagaca gttcttctgc tgacaactct	180
tcaggaaata attttctacc tccttaggat tcgaagacca gttcattcct agtgtcttct	240
gaaataaaat tagaatggat tgggatgatg aatattctca taattctttt gacctacatt	300
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<210> 31246

<211> 302

<212> DNA

<213> Homo sapiens

<400> 31246

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tctastaaaa aatacaaaaa attggccggg cgtgggtgacg gtcgcctgta atcccagcta 180
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 aa 302

<210> 31247
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 <212> DNA
 <213> Homo sapiens

<400> 31247
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 sccaaatggg ggctattamc acttagcact acttcagacc agccagttag agtcaggatg 180
 cacagggaag gagaktggga gaccctggaa gggaacttct aggtcatctg gttaattttc 240
 ctccactaac aggagtgagt agcagtgttg gtgggtcaakt agtaagctag gaggagaaag 300
 gacatahcta gtcttttaca ga 322

<210> 31248
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 31248
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 aactctgac cactgaag cttgagaacc gcttcctct actcctgaa gcctttccag 180
 gcattttctcc tttagtccaa gggagtcctg caggctgttg acgctctgac taccgcctta 240
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 cgctagaggt tctc 314

<210> 31249
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 31249
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 tatgtttaag atttttat 78

<210> 31250
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 31250
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 cccatgagca agatgacaca cttttggaaa aacagaagct attctgggag gtacatgaat 180
 atgttcacat tttatcacta agtttcattt aatatgcctt attagtaata agcatgtata 240
 cc 242

<210> 31251
 <211> 268

<212> DNA
<213> Homo sapiens

<400> 31251
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cccbkacctt ccttcgagtc tgtttatccg ttgcagcctc ccttccccac gacggggcgc 120
ctctgcaact cacaaagtac ccttagaaaag aggccctcag aagagtcttc tcttaagaag 180
ataaagaagg tagtggaac gaacttcctg agcttttcag gctctaattg ctgaagaatc 240
aagaaagcct tcagcccat cccaccca 268

<210> 31252
<211> 151
<212> DNA
<213> Homo sapiens

<400> 31252
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ctggaattac aggcattgatc aaccacccca agtccagaat ttcctaacad ggtctcdaga 120
gatgaagggtg ctactgttca gtgacctc a 151

<210> 31253
<211> 301
<212> DNA
<213> Homo sapiens

<400> 31253
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atgtaaaaca aaaatgaatt aaaaatttta atatttataa taactgatat tccactagta 120
ggtgatataa aacttgagat gccacaatga agaacaatta aaaatagaga ttagaatttc 180
ttgttgagaa acatttttaga aacatttttt tcttcagcat accactgtta ccaaatagct 240
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<210> 31254
<211> 416
<212> DNA
<213> Homo sapiens

<400> 31254
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tatatcctga ggactttatg gtttttgccct cattttttac ttgctagact tgaatatgtt 180
tgttaatgtc cgtagtccag aggaagagga tgtgagggca tgataaatca gttcagctct 240
tatcttcaag ttggttttat gagtcaactga agtaatacat ttttatcccc ttcctttaaa 300
aaggcattgg aagtatttat gaaatcaact gatagtgatc atgctttaaa catataaacc 360
attgtgtaaa ttctaaatcc atttagmcta tctaactata ttattttagt gvcctc 416

<210> 31255
<211> 215
<212> DNA
<213> Homo sapiens

<400> 31255
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ctcctgatgg tttgggtggt tatggtaagt atctctagtt cagtttgtgt tagtccgcat 120
 atgtagtgca aacttttaaag tgcaggtatt acttttatta ttttatgcag atatctcctg 180
 ctgagtgatt cttaatatct ttttcttaag gccgc 215

<210> 31256
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 31256
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 gaaaccwwgc acacgtaagg tacaatatgt tagactctgt gattttgttt tcaaaatcct 180
 ctgttatggc tatattttaa tttattttta atattcctgt atgtattcat ctaagcatth 240
 bggcatttgg agtcttaata tacaagaaac acgtacttaa atttttatgc ttatcacccg 300
 aatgatggca aacagtgatt ttttttttca tagtttaggt gtcattgttg ccagcacctt 360
 tagtgctcag tcttcagtga aaatataaag tgccaaaaa 399

<210> 31257
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 31257
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 gggaacaggt tgctgcatct acctttatcc ctgactgcct tgaagttgaa ggctctgtgg 120
 ctatctgaca accagtccca gccctgctt acattccaga cagacacaga ctacaccaca 180
 ggagagaaga ttttaacctg tgtcttactt cctcagctgc cttctgaacc tacttgtaa 240
 gagaatctgc ctgctgtggg tgactggag aacttggtta atgatgtctc tgatgaagcc 300
 tggaacgagc gtgctgtcaa cagagtcagt gcgatccgat ttgtggagga tgagaaagat 360
 gaagaagaca atgagacgag aacacttcta aggcgagcca ctccacaccc aggggagtta 420

<210> 31258
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 31258
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 gcacctaatac tactccca 78

<210> 31259
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 31259
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 tggacttttt cagatttttg aatattcaca gactacatac cagttgagca tcccaaattc 120
 aaaatctgaa atgtccagt gagcatttct tttgagcatc acgttggcat ttgaaaaagt 180
 tatagaccgg gcatggtggc tcacgcctgt actcccagca ctttgggagg ccaaggcggg 240
 cagatcacat gaggtcagga gtctgagacc agcctggcca acatggtgaa acctgtctct 300
 actaaaaata caacbattag ctgggtgagg tggcaggcgc ctgtaattgc agctactcag 360
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gcctctgcat t

431

<210> 31260

<211> 215

<212> DNA

<213> Homo sapiens

<400> 31260

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cctctggtga	gcggagggtt	tccaccgccc	gaggaggaga	cacacagtca	gccagtcaat	120
ccccacagcc	tgcaccacct	gcatgctgcc	taccgtgtcg	gaatgctggc	actggagatg	180
ctgggtcgcc	gggcacacaa	cgatcacccc	aacac			215

<210> 31261

<211> 328

<212> DNA

<213> Homo sapiens

<400> 31261

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ataaatgtaa	ttcaccacat	aaacagaatt	aaaaaacaaa	aaccatattc	ttatgcagta	120
aaatccagca	tctctccatg	ataaaacctc	aacaacctag	gcatcagagg	aacataacctc	180
aaaatagtaa	gagtcattta	tgacataccc	acagccawca	tcctcctgaa	tgagcaaaaag	240
ttgaaagcat	ttcccctaag	aaccagaaca	agacaaggat	gtccactctc	accattcctt	300
ttcaacatag	tactagaagt	tctagcca				328

<210> 31262

<211> 353

<212> DNA

<213> Homo sapiens

<400> 31262

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agacttttaa	atttctatgt	gaacataaaa	ccattgggtt	aaaaagctaa	aagtgcattca	120
tttatcactt	actccccaaa	gtttttccaa	agtcaagaat	aattatagaa	ctatgagagt	180
caggatggca	aaatctgtca	tccatttctc	tgggtgggtta	gggctgagaa	aaaaatgtga	240
tccactctca	tgggtgggtta	gagctgagag	atagagaggc	ttaatttggg	tttacctatt	300
ggccctgagg	atccttgacc	aaatttttat	gaactttaat	ttcttagggt	agt	353

<210> 31263

<211> 390

<212> DNA

<213> Homo sapiens

<400> 31263

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aatgtgagat	ttttgat	gataaatcaa	gattcaggat	ttaaagtttca	ttgtaagttg	120
aaatagaaaa	tgtattaaa	tgtctaggct	tctgggagga	agttcttata	ctcttctttc	180
ttggcattag	aaagaagcaa	tatgaatttt	tgtgaatatt	ctaaatattc	aggcaacact	240
gttcagattg	atttaggttt	gtcttaacca	atgttctttt	tttagaattt	caggttgtgg	300
cattcactga	gtatgcagct	actatggttt	ttgtatgggc	gtataaatac	ttgattatat	360
acgcagattt	taatgtcttt	aaagcttcct				390

<210> 31264

1

<211> 333

<212> DNA

<213> Homo sapiens

<400> 31264

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cctgtaatcc	cagcactttg	ggaggctaag	gtgggcggat	ttttaaggt	cagaagtttg	120
agaccagcct	ggccaatgtg	gtgaaacctt	gtctctactg	aaaatataaa	aattagccag	180
gcatggcggg	gggtgcctgt	agtcccacat	acttgggagg	ctgagtcacg	agaattgctt	240
gatcccagga	ggtggagggt	gcagtgagct	gacaacatgc	caactgcactc	catcctgggc	300
gagagaggga	gattgagtct	caaaaaaaaa	aaa			333

<210> 31265

<211> 125

<212> DNA

<213> Homo sapiens

<400> 31265

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aacttcacaa	cagtaattgc	actttaagac	agcctagagt	tctggacgag	cggtgttggt	120
agcat						125

<210> 31266

<211> 320

<212> DNA

<213> Homo sapiens

<400> 31266

cttaagctgc	agtgtgaaag	ttggattgga	ggaatggatt	ctagagagtg	tcataccatt	60
aggagattat	tctgttaaaa	caggtcatag	atacacagtt	tttagttaca	gactaaagta	120
gtaactagag	amagacgtgt	ctgtctcgga	gacggataac	gtttaagtat	ttgtttgatt	180
aaagcaattt	ttctcaattg	tttaagagga	aagcagtaac	tacatcatgt	gcgctaaaat	240
ttgtaggttt	actttctttt	ggaatgggga	ttagattaga	ttcaaggatg	ctgcattacc	300
tgaaaattcg	gattgaatat					320

<210> 31267

<211> 323

<212> DNA

<213> Homo sapiens

<400> 31267

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attctagttc	agtatactgg	gctcaaaacc	aactttcctt	ttgaaatgca	tctagactag	120
actatattcc	ttacataata	tcattgtcat	catcatcttc	atgttttctc	ttcagtggtt	180
ttgcttcatt	ggctgtgttc	tgtgacgaaa	ccatgttggt	ggtaataaga	rtatttttgg	240
gcccatacat	tgaaggatta	atcagaacat	tttgaactgc	agttgttgca	ggaactgtaa	300
acagagaaga	aagcccccca	aaa				323

<210> 31268

<211> 263

<212> DNA

<213> Homo sapiens

<400> 31268

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cagtaaaata	tctcasgtta	aacccttcty	acctctccct	gcttctgtyt	tacttagttt	120
ttggcaattt	cttactctct	tgccaacttg	taggtgcttt	tsggaaaatg	tttttcatat	180
ttcatctagc	attttaaatc	attttcaaga	gaagggtctg	cctgacatgt	agcccactat	240
gctattagaa	atggctgccg	cga				263

<210> 31269

<211> 119

<212> DNA

<213> Homo sapiens

<400> 31269

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aactcccat	ggaattaatt	ctactttttg	gtatgtcttg	ctgacctctt	aacccccct	119

<210> 31270

<211> 242

<212> DNA

<213> Homo sapiens

<400> 31270

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tatgtgtttt	gcccaggcta	ataagttatg	gwrrcacaat	tcraaatagg	tctgtagctt	120
tggttttgaa	tacctgggta	gtgagtaaaa	ttttcatttc	atgtggtggt	ttttrsatag	180
ttgtaatcca	agcagtaaca	cttacaggaa	gattagattg	tcagtaatgt	gaacagtaga	240
tt						242

<210> 31271

<211> 151

<212> DNA

<213> Homo sapiens

<400> 31271

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actctatggt	taccttatgt	aagggtgccat	ttactgattg	tgagatgaat	acataattga	120
ctattctcct	acttgctcct	tcccagcccc	a			151

<210> 31272

<211> 99

<212> DNA

<213> Homo sapiens

<400> 31272

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gctgcggggt	ggacaagctt	gctctaaatt	ctgtcccg			99

<210> 31273

<211> 201

<212> DNA

<213> Homo sapiens

<400> 31273

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ctgcttgtct	ttcttgagct	ttttggaagg	ataattctga	taaggcactc	aagaracgta	120

caaccacagt gctttcttca aatcatatga gaaatactat gcatagcaag gagatgcaga 180
gcccgcagga aaattctgag t 201

<210> 31274
<211> 281
<212> DNA
<213> Homo sapiens

<400> 31274
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tttgttttca tttcttaaga agagaacata ggccattgac tttagatctt tctttttttt 120
ttaaataatg agcatttata gctgaatatt tctctttaag cactgttttt gctgcatctt 180
acaaattttg acatgtattt taattattat tcagttccat attttccaat tttccttgta 240
aacacattat tgatccatgg attatttaga agtttgtkgt t 281

<210> 31275
<211> 201
<212> DNA
<213> Homo sapiens

<400> 31275
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ttcaggatcc cctttagtca gtcactgacc accagcttca tctcgttgcc actcccttct 180
gattcttcat cccccgcta t 201

<210> 31276
<211> 274
<212> DNA
<213> Homo sapiens

<400> 31276
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gtctcatttg aaaatctttc atgatgcttt gtgggtattca cagtgaagtt tagattccat 180
ggataagagc atcaagtcct ctataatctg gtctctgatt ctctgttttc tttttatcct 240
gcacacacac acacacacac acacacacac acac 274

<210> 31277
<211> 312
<212> DNA
<213> Homo sapiens

<400> 31277
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gaggagagtc aaagaactag caggcgagaa ctaatgaagt cctagtttag agttggggta 180
ggaagaggtg gttggaggat tcagtgatca ttactgtagt tgttaaatacc aggtgcttgt 240
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acagcatcac tg 312

<210> 31278
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<212> DNA

SECRET

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cgttcaccta	gtcaacacga	ccgcgtgtgt	tgcccctgcc	ctgggctccc	cgccatgaca	180
tcttcacctt	gcagcttggtg	ctgagactga	cccaagtgca	gctagcactg	ggacacagat	240
ccttgtcttc	agcaccttcc	aagaagccaa	ctttttattcc	cttttcctctc	cccccccccac	300
a						301

<213> Homo sapiens

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tcaaaaataat	taagactcat	tgtcattttk	catcttggca	ttattgtgga	caagttgaca	120
tattaaatct	ctttgctttc	tggtaaacct	agctttttaa	atgcattttc	ccttgtcctg	180
tctttaacta	gatatacatg	cttatattta	tagtgggttt	cacagactat	aaaattgaat	240
gtatgaaatt	tttattttata	tcagtgcctt	taataatgaa	gatatttttg	gagtaatggt	300
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<213> Homo sapiens

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tgcagaaatc tttctgactt tgaaattttt aggacgtcag ctgtcagata cgaaaggtag      120
atatcaggta agaatctgga cttaggaaat agtcacaaaa      160
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<213> Homo sapiens

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ctcgatggct g                                     131

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<213> Homo sapiens

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ctgatattta aacatgtgat acctggmagt ctcgtttaac aggtacaagg aaaacgtgcc      60
tagattccca ggaacatgca aaatcctttc tttcttatct ctttagctct ggactgtgat      120
tggcaaggtc cttcttccag cattcagccc agctaagccc ccaggtgcct a              171
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9019

<211> 213
 <212> DNA
 <213> Homo sapiens

<400> 31283
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 ackgcttcac cactkggrga ccaagcacc aga 213

<210> 31284
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 31284
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 attttgacag tttgctactg tctaataatt gagatacagt atctgamata tttttgcagg 180
 gcctatttat atgcatagca agtctctctt kttmgtggtt tatgagactc caccctcatt 240
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 atcaaagatg ggadccatca tmagctaata ataccatccc a 341

<210> 31285
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 31285
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 tttctaaata tttttgtgct attattttta ttaamattat gttcctgatt tggctctcag 180
 cttgaatatt tttgatgtat agaaatggta ctgatttttg tacattttatt ttgtatcctg 240
 aaattttact gaagttgttt atcaggtcta ggagcctttt gggggattct ttaggggttt 300
 ctaggatatag aattatatta tctgtgnkga gagagttyga cttctcctat ttggatactt 360
 tttatttatb tctctkatct gattgctctg gctagcactt ctagttctat 410

<210> 31286
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 31286
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 tggccagcat gtaggcgtgc ttatgaagac caacagcctg ttttctcgtc agaatccact 120
 agcttccacc aatgatgatg gattttacgac tacctatcaa ctaaaaaaac agacgtaagg 180
 aacagaaaca gcaagaacca gaaagaagac tggatataga taaacacaca catctcttca 240
 gatgaatcta ctttgtctt tctgctggt ttgtctt 277

<210> 31287
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 31287
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 ggctcctctc ctctttctat tctctccamc ccatctgttc ccctacttcc ttcaaagcac 120
 acatagacac acaccccca 139

<210> 31288
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 31288
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 agctgactgg caagttcgat gtttagctccc gggacactca gcagcgatgg tgagcatttt 180
 ggtttcctta aggcccaact 200

<210> 31289
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 31289
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 actttgaaat tgactaaaaa tacagaaaga tggagggag atagtcgaag ttattagatt 120
 ctgtgggttag ataggcattt ttaggcttca atacctttta ggttccacat ttattgggtg 180
 tttaanataa acaccccaat taaagtcaga ggctaaaagg tacctgtaga ttccatgttt 240
 atttgttat tgtctggtag atattgcaag tactcttcaa atcact 286

<210> 31290
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 31290
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 taggcctcac tctcttgccc aggctggagt gaagtggcgc agtggcacag tcatagctca 120
 ctctaacctt gaactaactc ctcaactcaa ctgacctcc tgccctcagc tgccaagcag 180
 ctgggattat agacatgagc caccttgccc agctcagtat catttttcac attcaagcta 240
 atgaaataat tcaatagaat taaac 265

<210> 31291
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 31291
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 ggataatggc ttccagcttc atccacgtcc ctgcaaagga catgatctca tttccttttt 120
 gtggcggcat agtatctcat ggtgtatatg taccacattt tcttcatcca gctttgtgat 180
 actaaagagg ccagttactt actacacact caccaaaaat acagtggcaa aa 232

<210> 31292
 <211> 325
 <212> DNA

<213> Homo sapiens

<400> 31292

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gccgagagga	ggtgtgggtg	ttccgcttcc	atcctaacgg	aacgagctcc	ctcttcgcgg	180
acatgggatt	acccagcggc	tgctaacccc	tctcctcgcc	ctgctcccc	aaaccggcgt	240
ggctccccgg	gcaccaagga	gctgactaca	gaggagcagg	atttgcamcc	ctcgtctgggc	300
ttgctttggc	aacagagtgc	ctgac				325

<210> 31293

<211> 290

<212> DNA

<213> Homo sapiens

<400> 31293

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gcccattaag	aattttaaga	gatctaaaag	tgtgaccac	aattgatgat	tttattatct	120
tcacttcagt	gataaaattc	ttcaccctcc	tcattccata	atattctgct	gctttcacct	180
gaagttcgcc	aggtatgatt	aaacattgag	taattcagac	caaagcttcc	agatatctag	240
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<210> 31294

<211> 356

<212> DNA

<213> Homo sapiens

<400> 31294

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caataggggt	ttttgaggta	aaatttgtca	atcttaagt	tacagtttga	taaattctaa	120
caaatatata	cactcaggta	atcacgctaa	taaacataag	gaatattttc	atcatccag	180
caaatctct	cttgccactt	ttcagttttc	tctttctacc	tccagaagaa	atcattgttc	240
tgattctata	atcgtgagtt	agttgtatta	aagcaaattg	aatcctatag	taactagtgc	300
tctttgcatt	ggttcctgtc	acttngwagg	atgtctttga	gattcatctt	cctctt	356

<210> 31295

<211> 296

<212> DNA

<213> Homo sapiens

<400> 31295

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ctgttttagg	aaacagattt	gcaagggata	attgtatata	tagtagtatt	taggtttatt	120
tcaaadtbat	cttagggatg	cctagatgca	taatttttac	caggacatat	tgaaaatatt	180
gcaaagagat	agccagttat	attatcccat	tcattagaaa	ttaccagtgt	aactaaacat	240
aaatattcca	gntnagagt	cttaaacgta	gctatctttc	ttaaggccag	gatggg	296

<210> 31296

<211> 236

<212> DNA

<213> Homo sapiens

<400> 31296

aaactggctg	ggcgtggtg	tgtgtgcctg	tggtcccagc	cactcgggag	gctgaggcag	60
------------	-----------	------------	------------	------------	------------	----

gagaatcgct tgaacctggg aggtggaggg tgcagtgagc cgagatggca ccaactgcacc 120
 tccagcctgg tgacakagcg agactccatc taaaaaaaaa acwgggtgagg ggatarattg 180
 gtgggatgtg gcagctatct taggtgggtct gggaaavctg ctccctgggt gtccta 236

<210> 31297
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 31297
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 cagagamtga ctgtcccaaa cagtattttc ttctaggatg gaagcgggtg gaagttatct 120
 tcaagtctct atccatcagg acagatgcag gaattatttt aaaacgtgta tggtaagaat 180
 ttcagccaat gtagtttaaa ataagatgcc cat 213

<210> 31298
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 31298
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 gtatttgtgc atggctaa 78

<210> 31299
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 31299
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 ttga 64

<210> 31300
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 31300
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 tgasccaaga ytgcgccact gcactccagc ctgggcaaca gagcaagact ccatctcaaa 180
 aaaaartaaa taagccgggc acggtddytc acacctgtaa tcccagcact ttgggagggt 240
 ganncggtg gatcacaagg tcaagagatc gagaccatc 279

<210> 31301
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 31301
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 atgctgttgt tgagttacat tattaataaac agtgaattta atattgcatt acttaattct 120
 ttt 123

<210> 31302

<211> 282

<212> DNA

<213> Homo sapiens

<400> 31302

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ctcagtagta attggacagc tgcaaaccaa aaacaatacg atcccccgcc cccattccaa	120
ttggcaaata tttccaagac aatgtaaacy cgcgcgcgcg cccgggtgag ggccgcgctt	180
cgcacctggg actttcctgc caggactctt actttgggat ctaaactttt agtttctagg	240
ataccagctt actgggtttc agagaacatt tggccagcac ct	282

<210> 31303

<211> 278

<212> DNA

<213> Homo sapiens

<400> 31303

ctgaattcta acagtgctaa attacattca agtccaggaa gatcacctgg aattaatggc	60
atttcagttg gcaggcatca ttcccamccc tcgggtctta ggaaaaggag gtagaagccc	120
cagaaccaca cggcagagat cagcaagttt tgtctcaagt cagacaaggt ctaggtggcc	180
ttggccttat gcaaagtng tgacatatatt gattatatatt ccctttacct ccatagtagt	240
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<210> 31304

<211> 146

<212> DNA

<213> Homo sapiens

<400> 31304

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cttgtgcctc agcctcccaa gtagctggga ctacaggcat gtgtcaccat gtcagctaa	120
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<210> 31305

<211> 250

<212> DNA

<213> Homo sapiens

<400> 31305

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cttcctatct gaatggaaca ttccctgatt tlyctctttc ataaagaaaa agtcaggctt	120
ataattgagc atatttcttg gaagttgaga actttgttct ccaattattg tggcttaggt	180
gattgatagc aaacattcaa aaacatacaa agataaacia aaatattcaa agttctacaa	240
ggcacaaaaat	250

<210> 31306

<211> 234

<212> DNA

<213> Homo sapiens

<400> 31306

catatggaaa aaaattgtca aaagtactcc gggaaagccc ttaaatagtt ggtaaagtac	60
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agaacacatg vnngtcavta trtgtamata caggatgagc targacagag gggcccttct 120
 ttcacacnac ttaaattagt tcccanktta rccttgtttg agattgactt ctggagagtt 180
 aaakkccaga tagrcttaac tctcctaagt caggtgagac tgagagctga ctgc 234

<210> 31307

<211> 253

<212> DNA

<213> Homo sapiens

<400> 31307

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 ctttatgttg ttttttttgc ttatccatat tctaggctgt actcctgctc gcatacagag 180
 caactgtcaa ctttccttaa actcagcaag ccccaaatta aaacctgcaa ttccttgraa 240
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<210> 31308

<211> 248

<212> DNA

<213> Homo sapiens

<400> 31308

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 ctatagaagt tcacactgct gaagrtgtty ccaattgctg tagaagtgca tgcgatttct 120
 gaggattatg atatagagac agaaaacaat tcctctgaga gtctccaaga ccaaactgat 180
 gaagaaccgc cagctaaact ttgtaaaatt cttgacaaga gccaagcttt gaatgtgact 240
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<210> 31309

<211> 222

<212> DNA

<213> Homo sapiens

<400> 31309

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 ttgcagtgag ctgagattgt gcmactgcac tccagcctgg atgacagagc gagactccgt 120
 ctcaaaaaaa aataaaaaata aaaataaaaa ataaaaggat agatggctaa atataaaatg 180
 tgaacttaaa actatgttac ccagtgagag catcaaatgc aa 222

<210> 31310

<211> 296

<212> DNA

<213> Homo sapiens

<400> 31310

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 gatctaagaa gtgtgttcat gcaacagcca tagagatggg gctattgama ggcaatctgc 180
 ccatcctgtg tattgacaag catcaggatt ccaggaggat tcttcctgat tcaaagactg 240
 tcaaataggw wamaagaaaa cagtawatgr acawraacat caacatggag tccgga 296

<210> 31311

<211> 69

<212> DNA

<213> Homo sapiens

<400> 31311

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acactatcc 69

<210> 31312

<211> 245

<212> DNA

<213> Homo sapiens

<400> 31312

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tctgttgac ccactgtgctt ctcttcttca catcgttttg tgcggatgag gcacacacag 180
acacagagtt ctacacngca gcagtcgggc acatacagcc tcacacgcgc cacaccaggg 240
ggtgt 245

<210> 31313

<211> 58

<212> DNA

<213> Homo sapiens

<400> 31313

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<210> 31314

<211> 245

<212> DNA

<213> Homo sapiens

<400> 31314

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atTTtatact taaattcaaa cttgggttaa tgagctgccc cctcatcctc tgttggtggg 120
agcaggaagc ctggtgtgaa atcgcaactg gttacettca ttaccttgat gtgtggtagc 180
tgatctagga atgcagcctg aagaaatcag cacctcctag atacagaatg aacagaaggg 240
ctccc 245

<210> 31315

<211> 149

<212> DNA

<213> Homo sapiens

<400> 31315

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taaaatacgt aatccatttt agttgtgaaa atacaagata atTTTTTaaa atagccataa 120
tctaaattta cttttttctt ttttttttt 149

<210> 31316

<211> 320

<212> DNA

<213> Homo sapiens

<400> 31316

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ccttggttca	ccaaatttgc	ctctgttttg	aggggcttgg	tccagagtga	cttggttaatt	120
kactctaact	tccttgtgtg	ttgatgggta	agtacactca	aacactgaat	acagggtgtg	180
gatgggtaga	tttcacagcc	cttctactac	nagtgagtgt	gaaggcaagc	ttgatgcaaa	240
acctcctgac	ctttcctacc	tgaagagccc	tttgacttct	aggaagaaag	gtcaaaaatg	300
ttatcttcag	ttgtgttaat					320

<210> 31317

<211> 177

<212> DNA

<213> Homo sapiens

<400> 31317

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cacagaataa	scttgctgat	gtcwtagcct	gaatttccac	casgtttcat	actaactctc	120
cctgaatttg	ccatgcaact	caggagttaa	catgaagaaa	taactatgca	tgcycaa	177

<210> 31318

<211> 225

<212> DNA

<213> Homo sapiens

<400> 31318

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tctctctttt	ctcttttttt	tttgrgatgt	agtckcactg	tcacccagga	tggagtscag	120
tggcatgata	tactgcagc	ctctgcctcc	cgggttcgar	caattctcgt	gcctcagcct	180
ccaagwagc	tgggactatw	ggcatgtgcn	wccacgccc	gmacc		225

<210> 31319

<211> 184

<212> DNA

<213> Homo sapiens

<400> 31319

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ctagccctgg	gcaacctagt	ctcctgtctc	caaagattag	tctttttatt	tttttagaca	120
gagttttgct	cttggttgccc	aggctggagt	gcaatggcac	ggtctccgct	catctcaacc	180
acct						184

<210> 31320

<211> 340

<212> DNA

<213> Homo sapiens

<400> 31320

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kttatatatt	ctggaatttt	ggtgtcattt	tatccrtagt	taataatatt	gtttcaccat	120
aaactcctct	ttgattatgt	aaccagcaaa	gtttctaaca	vtaaagcata	ttttaggggt	180
acataccttc	ctctcagtca	atgtatagaa	agtattacat	tatgtattaa	aacctcagt	240
ccatgacaag	atagtcaaca	tcttttagtca	tcagraaaaat	rcaaatcata	rctacaattg	300
ygtgtgtgta	cttatcaatt	gtgtacttta	tatatatgta			340

<210> 31321

<211> 284

<212> DNA

<213> Homo sapiens

<400> 31321

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cataaatata	atgtggtata	catacaatgg	aatattattc	tgctatgaaa	atgvaatgaa	120
atactgatac	atgctccaac	acaggatgaa	ccttgaacat	atgctatgtg	aaagaagcca	180
gatgcagaag	gccacatatt	ctaagattct	agatwdagta	tccagagcag	gtaaaaacag	240
aggcgggaaa	gtgtatgttg	cctggaagct	ggaaggaggg	taga		284

<210> 31322

<211> 155

<212> DNA

<213> Homo sapiens

<400> 31322

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ctgacagctt	acaaactggg	aagttctgtg	catctccagg	gattccagag	ttgaagatct	120
ggttgttga	agctgggagc	ccagtgcctt	ttttt			155

<210> 31323

<211> 283

<212> DNA

<213> Homo sapiens

<400> 31323

actctatgcc	tgaataggaa	cagaaagatc	tggcctgtca	ctgtgtgggt	gtatgctgtg	60
gaaggcctcc	ccccaggggg	attcatccca	gcaatttggt	tatcccaata	aagttttag	120
acctgttaac	ctaggaactc	cctacatgtc	aattagagga	gccatgaaaa	cctctcgcat	180
cgcagggagg	gttggttaga	agtgtcagtd	cagggaaacc	gaaattgctt	ggctcagctg	240
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<210> 31324

<211> 329

<212> DNA

<213> Homo sapiens

<400> 31324

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gagcagcgga	gggcggagtt	gaatggctgg	gcagctgatt	gccttactgt	atccggagct	180
gctgcgttcg	gggcggttcg	ggagtccctt	ggttggaagt	ggayctgaat	ggggaggcgt	240
ctgaggatct	cctgggctct	cagcggcccc	acccgccttc	ccccacctcc	cacagctctg	300
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<210> 31325

<211> 304

<212> DNA

<213> Homo sapiens

<400> 31325

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gactgcagta	aggattctgg	actttgtctt	aagggtaatg	ggtttttgct	gtatttctag	180

gtgttggtgta ttatgtttat ccaagaatga actgtagatc agaactgagt tgctttgtca	240
gtgcagtggt ccaatcatgg ktcattgcag cctdcaactt ctgggctcaa gcaatcctcc	300
tgct	304

<210> 31326
 <211> 77
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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ggatacattt ttattagttt ggtttagaga tctctttatc gacttatttg tagtccagat	180
ttatgagggg gataattcat tctccattcc ctttaacagg tctctcatct cctattttcc	240
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cctt	304

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 <211> 90
 <212> DNA
 <213> Homo sapiens

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gtttcatgta tgcgagcaca cacacacaca	90

<210> 31329
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 <212> DNA
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caaaataccc gaaatctggt cccaagcagt ttgggtaaag gatactctca acctgtgtaa	180
ggttgtgaga catagcaaca aaaggctatg tgataaagaa acaggaaatg acattgcata	240
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caga	304

<210> 31330
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 <212> DNA
 <213> Homo sapiens

<400> 31330

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agagccaaac	tatctcaacc	tggcttccaa	ataacatgga	ccagttattc	atagcctgat	180
gagttatata	tttaccattt	attgtgaaca	acaaatacct	ttctagatgt	tgtaatggac	240
ac						242

<210> 31331
 <211> 123
 <212> DNA
 <213> Homo sapiens

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ctc						123

<210> 31332
 <211> 305
 <212> DNA
 <213> Homo sapiens

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catactaccc	aaagcaatct	acagattcaa	tgcaatccct	gtcaaaatac	caatgacatt	120
cttcatagaa	atagaaaaaa	aatactaaaa	tttatatgga	actacaagat	ctaaaatagc	180
caaagttatc	ctaagcaaaa	agaacaaaac	tagaggaatc	acattacctg	acttcaaatt	240
atatactaca	gagctatagt	taccaaaca	gcatagtact	agcataaaca	grcacataga	300
ccaat						305

<210> 31333
 <211> 306
 <212> DNA
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taatggaata	attattttgt	tgttactggc	tttaagtgtg	tgtctcgttt	taggtgctca	180
gtttgtgttg	actgaaagaa	gaaaaacaga	acacttagct	acttaaagtt	tcaaaattca	240
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gaaggg						306

<210> 31334
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 <212> DNA
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<400> 31334						
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gtgtgtgtgt	gtgtgt					196

<210> 31335

<211> 307
<212> DNA
<213> Homo sapiens

<400> 31335
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caataatagt caaggaagta tatttmtctt gttctgctcc catacraaat ggmgtcccc 120
cgcaagcmtc ttctgaatta ttctgggaca cccarataaa aatggtaatt tttctttcct 180
tttctcctgg attcttattc tarcatctgc taggaggatc cacaccctgt cctaggctag 240
tagtgtacag accatggttt tgatgtctgt gcaaaaggta caggtttgtg tgcattctct 300
caatttt 307

<210> 31336
<211> 155
<212> DNA
<213> Homo sapiens

<400> 31336
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tcatttaatt ttcttctttg aacttcagta taaaattgan aaacaaatct taaagacaca 120
gaaattgaac ctgtccattt ggcatcgga tacat 155

<210> 31337
<211> 355
<212> DNA
<213> Homo sapiens

<400> 31337
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agaacagttt cattatcagg atcccttgcg ttatccatat atagcctcag ccacctccct 180
tccccnccc attgtcctaa tctctagcaa ccactaatct gttctctctc tttgtaatta 240
tgtcatttaa gaatatttta taaatggrat ttgccagggt tggaggctta tgcctgtaat 300
cccagcactt tggaaggccg aagtgaagabg acagcttgag cccaggagtt cgaga 355

<210> 31338
<211> 148
<212> DNA
<213> Homo sapiens

<400> 31338
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scaaattcat tttaatgmcc atgtaaagag cgaatgtcat agtattatta cccagtttat 120
kcaaattaca tacatgttcc taccaagt 148

<210> 31339
<211> 64
<212> DNA
<213> Homo sapiens

<400> 31339
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tcca 64

004220 " 666T560

<210> 31340
<211> 309
<212> DNA
<213> Homo sapiens

<400> 31340
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agctgtaaac acaaaagatc tatggtttct gcctacccag gatagtcttg tctctagaca 120
atgtattgat gatgcaaag ttctggaact aaatagtggg gatgggtggca caacactgtg 180
aatgtactaa atgtcactga tttgtacgta tttaatatgr attahatktt aaaatgggtga 240
attatattta tgtatatttt accataataa aaatatgcat tggaagatgc attttttgtg 300
acccamtca 309

<210> 31341
<211> 155
<212> DNA
<213> Homo sapiens

<400> 31341
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acaatcttaa ttctacgttt aacttcttga aaatcktagt acttttttct gcggcctttg 120
gtttgtggct gaaagctgtt gagtgaactc cgccc 155

<210> 31342
<211> 89
<212> DNA
<213> Homo sapiens

<400> 31342
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tagcttatat tggtcatttc tacacttgc 89

<210> 31343
<211> 78
<212> DNA
<213> Homo sapiens

<400> 31343
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tactctcttc tagctatt 78

<210> 31344
<211> 306
<212> DNA
<213> Homo sapiens

<400> 31344
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aagtgaagtw htntgctagg tggacaagag gctggacata tacaagaaca ttaggtgttt 180
tggaactct ctgagtaggt gtgattatct gcaatataca tgatggttca tgggggmgas 240
ygggtgtamgg agatggctag aggaatgmtc atgaaatgcc cttatatatc atgctaagga 300
gtttta 306

<210> 31345
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 31345
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 ggctcgtgcc tgtaatctca gcactttggg aggccaagct gggtggtatca ccggagggtcg 180
 ggagttcgag accagcctgg ccaacatgat gaaatcccat ctctactaaa aatacaagag 240
 ttagctgggt gtggtggtgc acacctgtag tcctggctac tcgggagggt ggggcaggag 300
 aatcacgtga anccgggaga cagaggttgc agtgagccgg gatca 345

<210> 31346
 <211> 337
 <212> DNA
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<400> 31346
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 tttaggtgtc agaaattcag gaaagtggat aaattttatt gtgccaacaa atcttacctt 180
 gactagtttc acaattttgc ctcaagtgtg ctttgctact tttgatattg ccttgttctg 240
 taacttaaca gttaaattgg gtgctaatag aaaattaaaa agtgtttgca accattggaa 300
 caatgcaaaa atagattaag raaaattaat ggtgttaa 337

<210> 31347
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 31347
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<210> 31348
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 31348
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 aatagctgga attacaggcg cctgctacca cgcccggcta attttttgta attttagcag 120
 agacgggttt caccatgttg gcaagctggt ctggaactcc tgacctcagg tgatccaccc 180
 act 183

<210> 31349
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 31349
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<210> 31350

<211> 98

<212> DNA

<213> Homo sapiens

<400> 31350

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ttcagtcctg tgacagactc tgctacttgc ctacccaa 98

<210> 31351

<211> 263

<212> DNA

<213> Homo sapiens

<400> 31351

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caaatcaacc aacactgagt atttacaatc aagacgttga ctctggtagg agctgcaatt 180
gatagaaaaga tgtataaaat aggaattatt accaacgaag aggagaatat ggccaatac 240
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<210> 31352

<211> 272

<212> DNA

<213> Homo sapiens

<400> 31352

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cgtcttttgc tgcaacctga cctcaccttt cctcgctaag cggtttgaga tcctcaagtg 120
taaacaggac tctccctgga ggctgctcct ccggggccct ccccgcggcc cgaccgtcgc 180
tcgtttctct scgccgaagg cggcgcctc tgttttctcg ttccctcccc tcagctggct 240
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<210> 31353

<211> 246

<212> DNA

<213> Homo sapiens

<400> 31353

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tkgtgattat ttgaatagtt twatattaat aaaagavgmc aaaatTTTTT aaatgtwaga 180
aaaagcagat ctgtcattgc aaagtaacam aaattttaag cttttaaaaa tgtagatttt 240
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<210> 31354

<211> 189

<212> DNA

<213> Homo sapiens

<400> 31354

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atgagagtat aagagggatt gatttgatgg aaaggwgttn agacagtttc tatttagcaa 120

004220" 5662560

ataaaatcat ggaacaattc tttcagtcaa aggtggtggt gttttcagag catctgaatt 180
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<210> 31355
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<212> DNA
<213> Homo sapiens

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cagaagcact ggagacgctg gccactgaac atcatgaatt agagcagtct ctggtgaaag 120
gctctccacc cgccagcatc cttagcgagg mcgagttcta tgatgcgctg tcagattccg 180
agtccgaaag gtccctgagt a 201

<210> 31356
<211> 154
<212> DNA
<213> Homo sapiens

<400> 31356
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aaaaagagtt accaagtgc acaagggtgac gtctgagatt tgaacatgta aatttataac 120
agcacctatt tgtggttctg ttgatttttt tttc 154

<210> 31357
<211> 232
<212> DNA
<213> Homo sapiens

<400> 31357
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aaagtatgct agaggaaaaa aaaaagttaa gaaatatcat aaggaggccg ggcacggtgg 180
ttcttscttg taatcccaca ttttgaagg ccaaggcagg tagatcactt ga 232

<210> 31358
<211> 147
<212> DNA
<213> Homo sapiens

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tggaactaca ggcataatcc accacac 147

<210> 31359
<211> 133
<212> DNA
<213> Homo sapiens

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gaattattta tat 133

<210> 31360
<211> 232
<212> DNA
<213> Homo sapiens

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ggccaagctg gggcctgtgg caggatcaga tagagatgca grhactgagg ctcaagaagcg 180
ttcggccacg tgcattgcatt gcctttccca ttggtgctcc atcgccagta at 232

<210> 31361
<211> 294
<212> DNA
<213> Homo sapiens

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ttaccatcat gacagcagac ggatatttgt gggccaggat aatggagctg taat 294

<210> 31362
<211> 92
<212> DNA
<213> Homo sapiens

<400> 31362
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gcgccctgag cggctggagg ctgcaggct gc 92

<210> 31363
<211> 248
<212> DNA
<213> Homo sapiens

<400> 31363
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cacttaggaa tggbcataaa ttttatgrca aagrcaccaa aaagcgdtca camcaaaagc 120
aaaaattgac aagtgggatt taactaaacg taagagcttc tgacagagcca aagaacctat 180
caacagagta aacagcctac agaattggag aaatatttgc aaactatgca tcagacaaag 240
atctatta 248

<210> 31364
<211> 251
<212> DNA
<213> Homo sapiens

<400> 31364
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gagaaggaag atggtgacac cttaggggga agtattatct gtccattaaa tctgccactk 180

aatgactagn ttttagcaag ttacttagtc tggtcctcag tttcctcagg tgtaaaarca 240
gggatgatta a 251

<210> 31365
<211> 299
<212> DNA
<213> Homo sapiens

<400> 31365
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ttaaattggca agtactagaa tgccactatg gcaagcacta gaatggtcta ggtgtgaaat 240
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<210> 31366
<211> 242
<212> DNA
<213> Homo sapiens

<400> 31366
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aaaaatgttt tagctcacta ggagtcaagg aaatgccagt cagcacagtt agataccatt 240
tc 242

<210> 31367
<211> 249
<212> DNA
<213> Homo sapiens

<400> 31367
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tgattccatt gatacgtaat atccagaaca agtaaatcct tagagacaga aagtagatag 180
tggttgctcg ggactaggaa tggggaggga aagagggaat gctgcttagt gagatggggg 240
gaggggcga 249

<210> 31368
<211> 243
<212> DNA
<213> Homo sapiens

<400> 31368
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ttccaccctg agtggtaatc taaggctgtg cagtcagtta cttcagactg ctcagaatag 180
ttcattagaa aggtaacaaa tgagaaatgt attattatac agttctatag tagtgaagtg 240
ata 243

<210> 31369
<211> 287
<212> DNA

<213> Homo sapiens

<400> 31369

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ataatctaga	aattatgtta	atgtaactta	taggaaaaga	sattctgaat	grtgatatct	180
ttgaattgtg	atTTTTctat	cagcctgrat	gccaaagttta	ctaaacaagt	tctcactaaa	240
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<210> 31370

<211> 254

<212> DNA

<213> Homo sapiens

<400> 31370

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gattgtagtc	ctgcagccct	gcgatcactt	gcaggtaaca	agaaatttca	gctthcgga	180
tgatgggcga	aggscctcac	cttcagcctc	gctcctccat	gccttcagag	ctgttcggcc	240
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<210> 31371

<211> 321

<212> DNA

<213> Homo sapiens

<400> 31371

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gcagtataat	atttthrtaa	caaaataawag	aacatctatt	tgaaatttag	tggccaccat	180
agattgaaca	gtagracaat	aaaacattta	ttttcwkta	caacaggaat	tgggtgaaga	240
tgcttctcac	caacacttta	gaagttctat	aaaataaatg	tarravnaag	aatraattac	300
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<210> 31372

<211> 358

<212> DNA

<213> Homo sapiens

<400> 31372

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tcttagagaa	tggttggtg	cagcggttca	cctcggtggt	cccagcactt	cgggaggcca	180
aggcagacgg	atcacctgag	tccaggagtt	cgaaaccagc	ctggccaaca	tggcaaaacc	240
ctgtctctat	tgaaaataca	aaaaaagtag	ccagctgtgg	tggcacacag	ctgtagtcct	300
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<210> 31373

<211> 73

<212> DNA

<213> Homo sapiens

<400> 31373

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tacccccggg tgc

73

<210> 31374

<211> 201

<212> DNA

<213> Homo sapiens

<400> 31374

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gtaacctgct	aggaggctaa	ctttatactt	atttaaaagc	tcttattttg	tggtcattaa	180
aatggcaatt	tatgtgcagc	a				201

<210> 31375

<211> 53

<212> DNA

<213> Homo sapiens

<400> 31375

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<210> 31376

<211> 335

<212> DNA

<213> Homo sapiens

<400> 31376

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cacctttctt	caaagtcaaa	tccaaaattt	cctgtgggca	cacttaaaga	tttatctctt	180
gtttcatgaa	gtccatttta	attaagctga	agatctgttt	ttttaaatat	agtagttagt	240
atgtattgag	gattcacttt	gtacttaggc	atccagcgct	aaatctttct	attaacgcta	300
caggatagat	gatagatcca	ttttgcatgt	gagga			335

<210> 31377

<211> 228

<212> DNA

<213> Homo sapiens

<400> 31377

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tatccttgtc	ttaattattc	taaaataaag	taccawtaaa	gtgaattatt	ttgccctttg	120
tagtagcata	gtgttaagtt	atatatatat	tttdataatgc	atactcctaa	gtaaagtttc	180
agagaccaca	tgctggagag	cagtggcttt	cagacagcat	cagcatca		228

<210> 31378

<211> 238

<212> DNA

<213> Homo sapiens

<400> 31378

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ctgtcttcca	gagctgcgtg	tccacatatt	ctaaataata	tgtcttccta	aatagaagat	180

aaaagatgaa atttataggg tccagaaggg agcagagttc tgcctgcatt tttgacta 238

<210> 31379

<211> 298

<212> DNA

<213> Homo sapiens

<400> 31379

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agtgaattta aatcaactat ttagaaatta gggtaaaamc agaagcaaatt acattgtatc	120
cagagaagaa gatattgttt gaagttaaaa gtgatttaaa aaattacaac acaacaaaat	180
aaatatgaaa gaagcacttg attcctcagc aggtgaagtc atcagaccat gttactggac	240
caaggttatc taggtagtgc caggctggga ttaaaagata aatttactca catacact	298

<210> 31380

<211> 371

<212> DNA

<213> Homo sapiens

<400> 31380

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catttgtggg ctgccttggt cttgttgagt tgttgcaaga kgtcccaatt atgacatgca	120
gcaatgccaa tacccttct gtgaatacag gttatttcaa gctttcgtca gtggcaacca	180
ctcttaggca gcagcaactg gttttggaaa tttccctgat gtcagtacca cctggatgtg	240
gaccttgct acctgtatta ataccagtgg cctcattttg ctgtatcatt acaatttggc	300
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ttgtgtaaat a	371

<210> 31381

<211> 252

<212> DNA

<213> Homo sapiens

<400> 31381

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ttcctgtata ccaggccctg ggtttaatcc tccatcaatc tcatgatatg ttgggggtat	120
tacccccatt ttacagatga ggaaagttag acccagagag gttatgtcac ttgcccaaag	180
tcaccacagt aagggataga tacaagctca aatgggtctgg tttcagaatt aaattttttt	240
ttttttttt tt	252

<210> 31382

<211> 409

<212> DNA

<213> Homo sapiens

<400> 31382

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tgtgcatatg aaatccgtaa gataaatcag ctattgtagc acgtgaagga aattaatata	180
aattaaggaa ttggaactga tttgggccat attcgactgt tttcatatta agaaacatta	240
ttttagaaga tctgtttggc tgcagcggag tcaggaactg ggcaagcagt gttgtgactt	300
gcttgttcca caggcagagc ctgggcagca ctcaataaca cccctcacct tcataggcca	360
tcagccgtag agaggcaaat tagagcactg gcataagcca caaatcaca	409

<210> 31383
<211> 73
<212> DNA
<213> Homo sapiens

<400> 31383
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ttttttttt ttt 73

<210> 31384
<211> 78
<212> DNA
<213> Homo sapiens

<400> 31384
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ctaatttgtc attgcatt 78

<210> 31385
<211> 178
<212> DNA
<213> Homo sapiens

<400> 31385
acatcttcta ttagcttggt cacaacaccc tcaaacttca taggtccaga actgaagcct 60
ctccctccca acctccctat gtaccgtaca ttcagtgtc aaggcagaac ttggawataa 120
ttcttgattt ttttccttc tcttaacctg tcagtaaatt ctatagattc agtcccct 178

<210> 31386
<211> 370
<212> DNA
<213> Homo sapiens

<400> 31386
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gaatagaggc taaggatgct gctaagcatc ctacaacaca gaggaaagac tcctgaaata 180
aagaattatc tgactcaaaa tgtatcgact gtgggtcagg aaaccctggt ctacatatta 240
gaaaaaaaaat gcactttttt cttttaaaag tattaaaata ttcagatata ctttttgcag 300
gaaacttttg aagccagaaa tctttaacaa ctatttttca aaataggaga aattagggtcg 360
ttatcaatat 370

<210> 31387
<211> 319
<212> DNA
<213> Homo sapiens

<400> 31387
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gaatggtatt ctgtttgtaa ttcaaccatt catagcagtg ttgttcattt gggactctgc 180
tggcatttag gacctattct ttgtcaagtg agactgtacc tcaaattgca ggatgctccg 240
cattcctctc tctgcttatt aaatgacaat agcatcttct cagtcattga gagacttgtg 300
acaacaaaaa gacaaccct 319

<210> 31388

<211> 173

<212> DNA

<213> Homo sapiens

<400> 31388

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tgaaccccaa gcagcagaga gccrggttta cttkactcct cccttraagc ttttcagatg	120
taraaaatca gtacacatta acatgttact gaaatgtcag agtacccaaa aat	173

<210> 31389

<211> 70

<212> DNA

<213> Homo sapiens

<400> 31389

ttattaatta aggggatctc ttagcygtct ctttgaccct acaaaaaaca tggtggtact	60
gagtttttta	70

<210> 31390

<211> 65

<212> DNA

<213> Homo sapiens

<400> 31390

gttcaaagsa kaasatagat cacyaggtta gcttcttata aatstggatc tvaccagttt	60
tggaa	65

<210> 31391

<211> 51

<212> DNA

<213> Homo sapiens

<400> 31391

tacagaactc ttttggcata aatatttgtg tdcccagtag ctcacttgkt c	51
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<210> 31392

<211> 167

<212> DNA

<213> Homo sapiens

<400> 31392

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aagttttctt gaaatttcac atctggactt tttaaagtgt ctacatttat attactttgg	120
ggatcatttt gtcaaagtct tgaataaagt taccaggtcc tgggcat	167

<210> 31393

<211> 404

<212> DNA

<213> Homo sapiens

<400> 31393

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aatactgaag	atactgaatg	gagctgacat	gcaaacatag	gcacatgttt	ggaaggctgg	120
cagagtgtgt	tatcaatatk	gotttaaagt	ctagtctaga	ccaaacagaa	gtgcctcaaa	180
atagtggtag	tgcccaactg	tcattccata	tgtcagtagg	atttgtcctg	aagatattgc	240
agctgacttc	ttggccagta	ctctcagtat	catgtggtaa	taatggaagg	ataagattac	300
taacaaaaga	tcccaggcta	taatgagtc	actaacatta	aatggatgct	ttctgcaatg	360
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<210> 31394

<211> 157

<212> DNA

<213> Homo sapiens

<400> 31394

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agccagacat	gggactggag	gacgagcaaa	agatgcttac	cgaatccgga	gacctgagg	120
aggaggaaga	ggaagaggag	gaattagtgg	agccccc			157

<210> 31395

<211> 406

<212> DNA

<213> Homo sapiens

<400> 31395

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tactgggct	ttgtaatctt	atarctccat	cctcacattt	ctagtggctc	tctcgacctt	180
tcctttcatt	acatcccaaa	ctgtaatcat	ttccagcagc	atgtcccgtg	ttctgtgtta	240
ctgtgtcctg	ttaattaact	ctgccatgtg	agtcattcaa	gctggaaaca	ttgcaattac	300
atatgatctc	tccctttccc	ttcacattta	atccacactt	ttamcaactc	ctgccaaactc	360
ttctactaca	ccatttccct	tccctttatc	tgtctaattcc	camcaa		406

<210> 31396

<211> 427

<212> DNA

<213> Homo sapiens

<400> 31396

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tctaataattg	tccctcttgt	gcagacaacc	caagatctta	ttgcagggtga	gtagagaata	120
gatttgtttc	agccascag	ctaagaagcc	ttgtgtgct	cagcagtcta	tagagtga	180
atggagactc	acatggaacg	cacatgccag	ggaccgggca	ctaataaggta	agctgacwa	240
ttcctcacag	ccatcctctg	aaggaggata	tacctctatg	atcctcgttt	tatagatgag	300
gaagccaggc	acagagcagg	tgaccacatt	gcccaaggtc	acccagctca	tgagtagtag	360
agctgggatt	tgaactcagc	aatctaattt	cagggrcagt	gcttgaamcg	tcttttcttt	420
tctttct						427

<210> 31397

<211> 190

<212> DNA

<213> Homo sapiens

<400> 31397

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actcagagcc	caaagcaga	catgagaacg	tggggggatg	ccttggtga	gacctctta	120

gacacgacaa gccttttaggt aaatcgattt tgtatttttt atcccataat tcatatgaga 180
gtcaaaccac 190

<210> 31398

<211> 495

<212> DNA

<213> Homo sapiens

<400> 31398

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tcagtgttct	ctctgtctct	ggtgataagg	atttgttctt	catttgctgg	cacgggagta	180
ggagcgggcc	ttcacaagag	agaattaatg	cccgttttta	ggcagatggg	ggagggcaga	240
gagctattcc	tgtttctgtt	ttttctcagt	tgccttcagc	tcaaaatcat	ccttattcca	300
atgtggcata	ttttgggggtg	acataattctg	gttcccttaa	gtataatcat	tgtwdgcaaa	360
tgacagacaca	gtacctgtga	tgtaaatatt	tagtgaatga	atttagtcct	gtgtgaaatc	420
ctccctcccc	tcccttccca	tdncttccca	mcacttcacg	cttaaccaca	gtgcagcatt	480
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<210> 31399

<211> 210

<212> DNA

<213> Homo sapiens

<400> 31399

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ttaggaagaa	tactaagggtg	agcccagttt	aatctttaac	atattgttac	ctctcatttc	120
tgcttggtca	aatccaaggc	tgsmaabtca	gkgccatctt	cttcatgatt	atctttactc	180
ctacccctct	ctacctccat	tcccccaaga				210

<210> 31400

<211> 456

<212> DNA

<213> Homo sapiens

<400> 31400

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ggacgtggac	atcgkgtgma	gsmaaagtca	agtgaggagc	caaaaatatg	gaggtggggg	180
tgagaagaac	ctgagaggtg	gttgccacg	gaagggttca	cgtgggtggaa	catttgcagt	240
gggcctacca	agcaccacag	ggtacctggc	gctgtgctat	cctttgtctt	cgagacactc	300
actgattgat	aggacaaaag	aanccaaatc	tgagtgaagg	aagagttgga	cmhnggaagg	360
taatgcattc	atgctccaaa	gtttctggat	ttctgtctaa	ctgaccaggg	ccaagaacgc	420
ccgaaccatc	acgtttcaac	agttcaaaga	ggcagt			456

<210> 31401

<211> 252

<212> DNA

<213> Homo sapiens

<400> 31401

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ggatgccttt	gaggaaaaaa	taaggcaaaa	tgcaagctcc	aaacttacca	tatattttaca	120
gggctcagct	cvaawwtgtg	gccwagcaag	ctttagaaat	gaaaatatct	acccccacac	180

cccaactttc tatatatattgg agcttttttat tatagaagcc cttggaagaa tctgcatgcg 240
ttagggccgg at 252

<210> 31402

<211> 358

<212> DNA

<213> Homo sapiens

<400> 31402

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cttatcccta ctatgratgg gycatatamc taattattat taaaaagggtt tcagaaccag	180
tgttctaagg aagttgtaag gataagataa tttcagatga taaaaaaaaa ctgatgaaaa	240
ggattaaact ttctaataaa gttactagag ataaaacagg tatagcaata tctcaccaaa	300
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<210> 31403

<211> 299

<212> DNA

<213> Homo sapiens

<400> 31403

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aggtgatact ggttttggag gawdkggtag tccgaactga ggttgggctg agtacacggc	180
ccgctatgac gccgagcctg ttttccttgc agatggcctg ggactgccgg agstggtggc	240
ggcggghdcg caggctgcgc acggcttaca ccaacacgca gctgctggaa ctggaggag	299

<210> 31404

<211> 246

<212> DNA

<213> Homo sapiens

<400> 31404

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acatgaattg ttgataata caacaaatct caaatgcatt atgctacgtg aaagaagcca	120
tattcaaaag gctacatacc tactgatgcc ttttatatga cgtgcaggaa aagataaaac	180
tgtaggacag agaataact ggtggctatc tgggattagg aaatggggat cgaccacaaa	240
ggggcg	246

<210> 31405

<211> 255

<212> DNA

<213> Homo sapiens

<400> 31405

acatttaaaa taattagtag aacgggggtat agtgggtatat gcctgtaatc ccagctactc	60
agtaggctga ggtgggagga ttgcttgaac ccaggaattc aagaccagcc tgggcaacat	120
agcaaagacc catttcttcc accccatgaa tgaatgaatg agttattaat ttaagtttaa	180
gggcaaaagc taataactaa taggggcaca gtatataagg atgtgggttt gtgacatcag	240
taaccaaag ggct	255

<210> 31406

<211> 133

<212> DNA

<213> Homo sapiens

<400> 31406

cttctttgtc catagccaag gctgacgagc ataggacaat caggacaata tgaatgatgc	60
tcaaatatgt gctaacagtc attttgctga ctgttctgga gactcccatt ccttttgaaa	120
acaaagatgg acg	133

<210> 31407

<211> 174

<212> DNA

<213> Homo sapiens

<400> 31407

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tctgagtgccc ttgcatttcc gtataaatct tagggtcagc ttatccattt atgcaaaaaa	120
ggcagttgga attttggtag ggattgcact gaatctgtat atcaatttgg gggg	174

<210> 31408

<211> 388

<212> DNA

<213> Homo sapiens

<400> 31408

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gaacatttgc cataatatta atatcacagg tacaggttat gaatttaca tgggctgaat	120
aactgtatcc aaaacatgtt aataaatgga tcatttgtca acctgaaggg aagtcttcag	180
gcattgtgtc atgaggatct gtccttgttt ttctggtcag catctggaat catggttaaa	240
gccatttcag aagggatgct tatttttgta gatgactcag tacagttaga agacagaatt	300
aaaattcaca gttattgcca aaccaggaag attaaattca gttgcgataa ggattaaatt	360
atatacttaa agtatttttc aaaacaga	388

<210> 31409

<211> 452

<212> DNA

<213> Homo sapiens

<400> 31409

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ataatttath tgaatcctag gycwtagttr cttagatcaat gtttadgcag cagaataatt	180
gagtagcatt ccgcatagct aagtagcact gtttcgcaac ctgtgccctc ttgctctaga	240
aaatactatt gcttgacata taccaggagt tttaggttag agtatttggc agtgtmwata	300
tggmatcaaa aacttgcat aaatggaga agnatatctt tgtgaatcct ctagatggca	360
gmacaattac aacaaatata tcttagaagg tgtccaagaa gcgtgtggas gasagagtgt	420
agaagagatg gggtrgaagg ggactgcggg ct	452

<210> 31410

<211> 188

<212> DNA

<213> Homo sapiens

<400> 31410

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tcataagtag gtagattatg gttttcttgt atggtttagg gtttgtatct tgttgaaagg 180
gggataat 188

<210> 31411
<211> 133
<212> DNA
<213> Homo sapiens

<400> 31411
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atttggggat gtgcctatta gggctccgta agaactcaga tgcctgggaa gccagcccc 120
tcaggtgccc cct 133

<210> 31412
<211> 243
<212> DNA
<213> Homo sapiens

<400> 31412
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ctgatctgtc aagtctgtcc gaccgtgcct gtctgtgtc ccccagctg ttccagtggg 120
ggattggcag gaccgggtgc ctacccggta ctcttacca aaggagcccc tggtagtgcc 180
cacctagccc aggacaagga gtggaacgm agctgcagct gcagtgggtca cgtgagcagg 240
gaa 243

<210> 31413
<211> 139
<212> DNA
<213> Homo sapiens

<400> 31413
tccggagcgg cgactggcga gccatggcgc tggggctgca gcgcgcaagg tcgaccacgg 60
agctgcgcaa ggaaaagtcc cgggatgcgg cccgcagccg gcgcascagg agaccgaggt 120
gctgtaccag ctggtcac 139

<210> 31414
<211> 437
<212> DNA
<213> Homo sapiens

<400> 31414
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ggatgggaaa ggtggaggag gtcaggatga aagcgatgga tgcttgagaa tgaaaaggat 120
ggtcatttta taggtggctg gaatgaataa aggggagcta gaaaaggatt tcagaaagcc 180
ctcccaaaat ttaaccaact tcacaatttg gcctgtagct ggctatcttg ttaggttatt 240
aaataattga aggtaaacct gacatctctc ttctggatta cttaaaaaat gcattttctaa 300
agcaattcat ttgaaaatt ggggtcagt acctctacaa atcaaggtaa aatggtgcca 360
gaccttttt atttagccat tggtcagtct gtcgcttgca caaaaagcaa atggagttaa 420
caacagttag acgggac 437

<210> 31415
<211> 287
<212> DNA

<213> Homo sapiens

<400> 31415

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catcgtgctc	ccactcccgg	gagagaggca	ttatcttcag	tttacaaaag	gggaaaacag	120
gtctgggggt	tccagagtcc	gcgggtttgc	taagaagccg	cagtgatgtt	gacgcggctg	180
gtcctcagtg	cacacctgag	tagcacgacc	tctccgccct	ggacgcacgc	tgccatcagc	240
tgggagctgg	acaacgtgct	gatgcctagt	cccagaatct	ggcccct		287

<210> 31416

<211> 192

<212> DNA

<213> Homo sapiens

<400> 31416

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aaaatgatcc	ctakactctt	gcacccctgg	tgtcctttga	agttaagaag	atgccttata	180
cagatcagcc	ta					192

<210> 31417

<211> 368

<212> DNA

<213> Homo sapiens

<400> 31417

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tctbctcvka	aarccagsas	ctcgggggtg	ggagcgcgtt	cagaagttca	cggttgactc	180
aattactggg	ttaatttgat	gtatgctaac	ttctatagcc	ccgagtactc	gatgtgcctg	240
ttttcaatgg	ccattttaaaa	aacagctgga	cctctgtatc	aatctagagt	takkcatcct	300
tcttggaagg	gagcagaggg	gcctcttaaa	tgttatkgga	agactcatca	ctgcatagaa	360
ccgcgtca						368

<210> 31418

<211> 214

<212> DNA

<213> Homo sapiens

<400> 31418

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ggtgccgcag	ccagtgcggt	tttaataacc	ggagaaggtc	ccaagtcag	gagagtctct	120
cggcgscac	gggttcctct	gggagtgcgc	cctggccttg	ccttaggggt	tcagcctcgg	180
aggaccgggt	ctgggcagtg	gagaagggac	ggta			214

<210> 31419

<211> 250

<212> DNA

<213> Homo sapiens

<400> 31419

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acggcttgta	gacccgcga	gaaggaagg	cgagccagat	tgaagatctc	aaacagacaa	120
atcatggctt	ggaagaatat	gttaggaaac	tcttgatag	taaggagggt	gtaagcagtc	180

aagtagatga ttavwcagc cacaatkwcg atctttgtaa agaattgatt aaaattgacc 240
aactagcaga 250

<210> 31420
<211> 498
<212> DNA
<213> Homo sapiens

<400> 31420
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ggtatttttt gcatgtacaa gctagcactg tgtgtgcaca tattcttctt ttttcctctt 180
ttttttgttg cagaaatgat aacctactat tcactattct gtgccttgct ttgtttgcat 240
actgaaaatt atccatggaa ggatacagca ccatttttac ttaaggaacc ccttatttag 300
ggacacttag gttgttttca atattctgct cttgtaaaga gtgctgcctc atttcacaca 360
catgtgagtg tatctatagg ataaatccct aggattggaa ttgctgcac aaggagaatg 420
tgtatttgta attttgatgc ttgttgccaa atttctgtcc atagtggctc caagttcccc 480
tcctattggc aagggtctc 498

<210> 31421
<211> 436
<212> DNA
<213> Homo sapiens

<400> 31421
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gaaagacata tacctgtacg cccaattatt atctgtgact ataagtgggt ttggagrttt 120
attttctaag acctcttcat aattaatttc tctttctttt tttttctttt ktctttttct 180
tttttgagac aggggtcttac tctgtcacct aggttggaat gcagtgsac aatctcggt 240
cactgsaacc tctgsgtccg cctcagcctc ccgrgtaact gggcctacag gcgctcgcca 300
ccaggccccag ctaatttttg ttacttttag tagaggcagg gtctcgccac gttggccatg 360
ctggtctcga actcctggcc tcaagcaatc tgccagcctc aacctcccaa agtaatggga 420
ttacagacgt gagcca 436

<210> 31422
<211> 109
<212> DNA
<213> Homo sapiens

<400> 31422
atgtttgaag agtaccggg tttggtagag tgacttctat tcactaaaac catgtgtctg 60
aactgaagaa gcttgggctc acttccacaa atgtaagtgc tgatttttt 109

<210> 31423
<211> 416
<212> DNA
<213> Homo sapiens

<400> 31423
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aaagaaatat tgatgaattc cattttcaaa agagcaaaag gtgagagaac atgccaaggc 120
tgtcttwagt atgctttaca taaagaatac atcctcattt taaattctaa ctggggcaga 180
gaactgggta gagtttccat ttgagaactt tccagagaga taggatcttc aaactctcaa 240
gtgaatattt aagacaattt catgtcttct taaacctaca tgtctgaatt actgctcctt 300

tccatttcat agttggtgaa cagatttcatt tgracaatca ctttgaagag tataggtaga 360
agcacaataa ccagggtgagg gaacatwaaa atatgrccat tatggctggg tgcggg 416

<210> 31424
<211> 390
<212> DNA
<213> Homo sapiens

<400> 31424
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atcaatttga gtgactaggc ttattttggt tcagtaactt taatgttcct caacctcatc 120
tcccaaggcc yttcccctag ccccaaattc ctgtagggtt acaagaagga agcagtctca 180
ggctgggagg aggggtggaga aaagacaaga tttctaacta gtttaattta ttttatttta 240
ttttatttta ttttatttta ttttatttta tttttgagat ggagtttcgc tctgtcaccc 300
aggtgtagt gcagtgtcac catctcggt cactgcaacc ccctgcctcc cgggttcaag 360
caattctccc gcctcagcct cccgagcaga 390

<210> 31425
<211> 151
<212> DNA
<213> Homo sapiens

<400> 31425
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taaattccagg tttgcagcct ctgaatctgt gttctaccca ccagtccaca ccctttcamc 120
ttyccctggt ctctcacct caccgcccgt a 151

<210> 31426
<211> 203
<212> DNA
<213> Homo sapiens

<400> 31426
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tgatgatttc catatttatg tctacgattt ggtgaaaaca tcctagatgt catcacaac 120
tctkgccaaa tttgtggaac tatgaaatgt attatttga gacataaaga cttgattgct 180
ttccagttta atgaaagctt aaa 203

<210> 31427
<211> 298
<212> DNA
<213> Homo sapiens

<400> 31427
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acttcgtaca cagcttcttt ctaccagaac cagtcgtggt gaggtaatcc taggagagtc 120
taaatawaga ggtttggttt ggtttgattt gataaagaag tagctgctta ttgcatattg 180
ggactaaata accaaagttc tttgtggctt aatgtgcttt tccggtcatt tgggtgacagg 240
tttcatggac ccaggcacta cggaccatag ttaaaaactg ttataaacag catgggagc 298

<210> 31428
<211> 220
<212> DNA
<213> Homo sapiens

004220" 556E560

<400> 31428

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gttttgactt	gtcttggaat	ttttgggtact	cggattttga	atttcgtgat	tttggttttg	120
tataaacggt	aaaagtgtat	gtgtgccctt	tttacctgtt	ctttgtcttg	tggtgagtgt	180
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<210> 31429

<211> 200

<212> DNA

<213> Homo sapiens

<400> 31429

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tggcaaagac	ttttaatcat	gggccaagaa	ctttcactga	cttgaaagta	acttctccac	120
agggaaaggac	caaaaacctg	gtttacctta	aaacaaaaac	ctggttgagt	tcagcgtggt	180
gtaaaaatgt	aaggagcaaa					200

<210> 31430

<211> 403

<212> DNA

<213> Homo sapiens

<400> 31430

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cagctccgcc	cgcggccggg	atgcactagg	caaagccagc	tgggctcctg	agtccggtgg	120
gtacttggag	aacttactac	gtctagctgg	aggattgtaa	atgcaccaat	cagcatgctg	180
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gagcaggttc	tgcttctttg	gtgtagtcct	gaagcttctt	aagaaacttc	acatcaggtg	300
atggatagga	gcaaccctgt	aaaaccagcc	ttagactatt	tttcaaacag	gctggtgaat	360
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<210> 31431

<211> 226

<212> DNA

<213> Homo sapiens

<400> 31431

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gggggttgtt	gtttttttct	tgtaaatttg	tttgagttca	ttgtagattc	tggtatattg	120
ccctttgtca	gatkragwag	gttgkgaata	ttttcccca	ttttttgggt	tgctgttcca	180
ctctgatggt	agtttctttt	gctgtgcaga	agctctttag	tttaaat		226

<210> 31432

<211> 224

<212> DNA

<213> Homo sapiens

<400> 31432

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ttcctgggtc	tggktgttaa	agctckgtaa	cccacattgt	aaagccgtga	atgttttttag	180
tcttggtgac	gagtttttag	agactgctgg	acctctgagg	gcta		224

<210> 31433

<211> 243

<212> DNA

<213> Homo sapiens

<400> 31433

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tgaccccagc agccgctgag	ccggcctgga ttcgggcaaa	gaaagcagcg tcctcctggt	120
gcaaacagrc acargccaca	agtgcaggac acgcagtcta	gaaagtccgg aagacaggtc	180
tcactctgtt gccagactg	gagtgcagtg gtgcgatttc	ggctcaccgc aacctccgcc	240
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<210> 31434

<211> 119

<212> DNA

<213> Homo sapiens

<400> 31434

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ttaattcttg agggcacaaa	gggtattgcm aggggaactc	ttgcaataac ctcattgtga	119

<210> 31435

<211> 343

<212> DNA

<213> Homo sapiens

<400> 31435

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aaactgaggc ccaaagacca	agaaacgctg gcttctggac	acacatcgtg gaagggcaag	120
aacgggctag aactcaggct	ctkgggaatt ctgagtcctg	gactgtgact cccgttatcc	180
ccctccacct cagcaccctg	ctggaccac agtcagaggg	aagagccttc cctccccagc	240
tgccgaggcc tgtgaaaatg	gcgccacctg tcggccaggc	tcaggatggc gtctgagtcc	300
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<210> 31436

<211> 336

<212> DNA

<213> Homo sapiens

<400> 31436

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cgccgcccgc cgctgagga	ccgcgggggt agccactgct	ggctgcttcc agtggtcgcc	120
gagaggtacc gggggtgaca	gsctccggga ccggccgaaa	ggcgagggaac cggtgtggaa	180
attaaaagaa cacacatatt	ttgactgggg ctttgatcaa	ccaaatgcta aaaagccaca	240
taaagaagat ccctaatagt	catttctcaa caattatata	gtcaactgat gtaacaatgg	300
tactaatatt gggacgcaga	ctaaacagag aggtatc		336

<210> 31437

<211> 446

<212> DNA

<213> Homo sapiens

<400> 31437

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gatgacttct	gaaacaaaat	ttggatttcc	ttttaggaaa	agtagaaagc	atagacttac	120
aagtctaaca	ggagatagga	gagagtcact	cataaaaaat	gcaaattgat	gaacgtacta	180
ttgtgataca	ttagttgaat	ggatgaaact	tttttaaagt	ttcagatgaa	ctcccataat	240
gaatgatgaa	tttgtgatga	gggataacct	ggaagtggta	ttcacacatt	atgctacaat	300
aaaaggttct	accgtggaga	ggattttgac	acatttcagta	actaatggaa	cacaccgtca	360
acatgaattc	gcaccttaca	tgacagaagt	gattcagggg	ttcctatgaa	tagaaatgct	420
gagaaggaac	gcattttatt	gcagaa				446

<210> 31438
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 31438						
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cctagagctt	ttctctccca	tttcccttct	gtgatttcag	acaccattt	atgtctgctg	120
ggagaatcat	taagtcttga	gcctyctgtg	ctccttcctc	ttaccagacc	tgatagtgc	180
tttaagcggg	agggggagtt	aggagaaaag	tattttgttt	ccttcttgaa	gggggtgtgt	240
cccaggcata	g					251

<210> 31439
 <211> 126
 <212> DNA
 <213> Homo sapiens

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ccaggs						126

<210> 31440
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 31440						
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gtacttgacc	tgaagggrca	aatgktkgtc	acatagtcta	ttgtgttgaa	aatcaaaaaca	180
acactgatat	ccattgatag	gagatgagat	taataaaaata	aggbacacct	acaagtgaga	240
ttggcctggt	actgtgtctc	ttcacctgta	ttccagcgc	tttgtgaggc	caaagtggaa	300
ggacca						306

<210> 31441
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 31441						
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gatctttata	attcatacct	ttgagtgggt	tgcggttcac	acagagcttg	tcagtcactt	120
agcctccttg	ttgggcgagg	targgtggaa	gctgttactt	tccccgcata	gatgaagagg	180
tgaacagggg	gtagaagagt	ctggaacatc	agtctcccct	gctgatgttc	ctccacctgc	240
cgtgct						246

<210> 31442
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 31442
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 aaaggatcat ttctcccttg rgtiyacaagg agc 153

<210> 31443
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 31443
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 cawcctgacc aagatggact tcattcacat ggccac 156

<210> 31444
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 31444
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 ggtgcccaga gagggctcca gagctctttt gctggctgcc tcttctggag gagctgactg 180
 gccagctgca gagcacattg atctgggtcat gattgctttc atcctggagt agagcaagtt 240
 cacacaattt aaatcaagag ccacattaga agctcctgac ctcaggataa cctctcattt 300
 cctacctttg aaagagggaa caagagggaa cagttcagtc acttccctaac atctagccac 360
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<210> 31445
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 31445
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 tcaggagtta gtaatgagaa attttataaa tgtgtatttc tgtgtattca catacatata 180
 tatatacaca catatatatg tacatacaca tacatacata ttaccatact gaagggc 237

<210> 31446
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 31446
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 aaggaaataa tttttttttt ttttttt 87

<210> 31447
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 31447
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 aacaaaaaac tagaatgtaa attcctgaag gcagaatttg cttgcttgtc tgtttttctc 240
 ttttgtttcc tgctctaccc cgggachtag aatgggtgctt ggcacatagt agatggctat 300
 taaatagcta ctggatg 317

<210> 31448
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 31448
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 aaagaacaca tgataaattg cataattctt actttcaaaa agaggaaaca tactagtctt 180
 tggtagasag gaaaactttt cctctcacca aattgcaaaa gactttgcac acatggggct 240
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 ctaagagcat acaggctctg gcattagacc acctgggctc aaatcctagc ttgattacct 360
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 attgacagcg catcgt 436

<210> 31449
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 31449
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 agaactagaa aaaactatct taaaattcat atggatctaa aaaagagcct taatagccaa 180
 ggcaatccta aacaaaaaga aaaagctgga ggg 213

<210> 31450
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 31450
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 taaacttgag tgtaggtatg ggcaacatca gctgggtggag tgtgagatgg cagggactat 180
 ggtgagcaga ggagtgtgtg ctcatgtgag cgggggtggc gctgctggat gcatggcagg 240
 tcgctgctgt tggggagtgc tgatttcatg ttgttggttc tttccatttt tcatgagaag 300
 ccagaggtct ggaatttttg atgaaatttt cagtttaaaa atcwcagcag cttattcaaa 360
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<210> 31451

<211> 261

<212> DNA

<213> Homo sapiens

<400> 31451

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caccataagt	ggctaatttt	ttttttcata	cctgggcta	ttttattttt	attattatta	180
tttttgagac	agggtctctg	tcaccctggc	tgagagtatag	tggtgcaatc	atagctcact	240
gcagcctaac	ccttgcaggc	t				261

<210> 31452

<211> 326

<212> DNA

<213> Homo sapiens

<400> 31452

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ccaagaactt	tcttgtttgt	ttcagagtga	aaaggcaaat	actttgaaag	caaaccgttt	120
tttcccaatc	agtaaaagta	gtacatgaac	gactacagat	ccaaattcat	aaaagggaag	180
ccgagaacga	taagttgaaa	gaatatgtaa	agagcttaga	aaccaagata	gccaagtgga	240
acctgcaatc	aagaatgaat	aagaatgagg	ctatagtgat	gaaagaagca	agtaggcaaa	300
aaactgtagc	tttaaaaaag	gcatca				326

<210> 31453

<211> 107

<212> DNA

<213> Homo sapiens

<400> 31453

attatggata	tatttgggtt	tatatctccc	atcacatttt	gtgctatttg	tcccacctct	60
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<210> 31454

<211> 449

<212> DNA

<213> Homo sapiens

<400> 31454

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aataggcaaa	cacaaaaatg	gtattaaata	ttgaactcct	gaccttttcg	acacttacct	120
agtaaagtat	tcttaggcac	catcataact	tttcctcacc	tttattcgaa	tagaggata	180
aatgtcttca	gttgtctctc	cattaccctt	aagttattag	tttgtctagt	ttatatataa	240
agaccatgtt	ttaaagtaca	taaagtggag	gtttatttat	catacaggct	ttgaaacatt	300
aagaagcagt	atttttatta	actttttgag	acatatataa	atacatattg	ccttagaaga	360
ctgcttctaa	agtaattttt	gtaagtaatg	agatgggatg	gtaatctagt	aatttgactt	420
tatagaaatc	cctcagtttg	gccccact				449

<210> 31455

<211> 451

<212> DNA

<213> Homo sapiens

<400> 31455

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attctgtac	atttattctt	ccagaagaac	tggattatca	gtttgtcaaa	actccccacc	180
tcaaaataaa	aaggagcttt	ttaaatgtga	tacacgtgtc	tttatgtatt	tatttcagac	240
ttattgccct	tctgtcattt	atTTTatTTT	atTTTatTTT	ttattgtttt	ttattttttt	300
ggtgattcag	tctagtcttg	tcacccaggc	tggaatgcag	gggcatgatc	ttagcccact	360
gccccctcca	cctccnagg	cscctctgca	tcagcctctt	gagtagtttg	gattacaggc	420
tcatgccacc	acacccggct	aatttttgtg	t			451

<210> 31456

<211> 211

<212> DNA

<213> Homo sapiens

<400> 31456

atgtttctta	atcattggac	atcaattatt	tttagagagt	aatgtataat	ttcatagcat	60
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acaaagaatg	ctaaagaatg	ttcaaacttt	atagatarct	ttattgttat	tatttatttt	180
cacacattta	attcctatta	agtacagccg	c			211

<210> 31457

<211> 470

<212> DNA

<213> Homo sapiens

<400> 31457

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gagaaccgag	accgacttct	ttctctttac	cctcattggc	gcttctctcc	tgcagtccgc	120
ctctggggccc	tgccgcattt	cttgaagact	taaagtggca	ttctaaaggc	aatttaaaaa	180
tcatgtcaag	ctcagttgaa	cagaaaaaag	ggcctacaag	acagcgcaaa	tgtggctttt	240
gtaagtcaaa	tagagacaag	gaatgtggac	agttactaat	atctgaaaac	cagaagggtg	300
cagcgcacca	taagtgcatt	ctcttttcat	ctgcttggtg	tcacacact	ctgataatga	360
aagtcttggg	ggatttttcta	ttgaagatgt	ccaaaaggag	attaaaagag	gcacgaagct	420
gatgtgttct	ttgtgccatt	gtcntggagc	aacaattggt	tgtgatgtga		470

<210> 31458

<211> 129

<212> DNA

<213> Homo sapiens

<400> 31458

aaaagttatt	ttgtagagag	gggttctcgc	tataatattg	cccaggctgg	tctctaagtc	60
cttgccctaaa	gccatcctct	ctcgtcggcc	tcccagcgtg	ctgggattga	aggcatgagc	120
cactgtgcc						129

<210> 31459

<211> 279

<212> DNA

<213> Homo sapiens

<400> 31459

cccgccttgg	cctcccaaag	tgctgggatt	acaggcgtga	gccaccgccc	ccgrmmtact	60
tccagttaaa	attctgacat	ttctgacttg	acttaggcac	ccacactgat	gacatttccc	120

ttgacgaaat	ctgrataatc	caagggmstt	gctaattaat	tgattggatt	tacttggaca	180
tgtcaagttt	tcacaattgt	ccatgagagt	gtggtgtcta	tatatattta	aatatatatt	240
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<210> 31460

<211> 188

<212> DNA

<213> Homo sapiens

<400> 31460

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tgtattacag	ttttgtcagc	tgacccaata	atgtcctgta	aagaagttct	cccactaccc	120
tataatccca	gstccagtct	wagggycmag	ccattacatt	tacttgtctt	gaatccagct	180
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<210> 31461

<211> 457

<212> DNA

<213> Homo sapiens

<400> 31461

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ttctctctta	ctaagctcyc	cccackgtga	rtagaggcag	aaatataatt	atataaaata	180
gagtaacttt	tttcattact	tatttcttgt	aggaatctcc	aactgcctca	aaaccctgct	240
ttcctgaaaa	tgagtcttct	ccctcctcac	caaagcacca	agatacagtt	agtatgatag	300
aagcatatct	tataatgtag	tccagttatt	tcaatcaatt	ttagcaagtt	aatttactct	360
taatgtaatg	tttaaagtga	cttctattaa	atttcattgg	tttttctaaa	aatcaccaat	420
caaaataagt	ttaacaatca	gattttattg	atttaaa			457

<210> 31462

<211> 235

<212> DNA

<213> Homo sapiens

<400> 31462

caggaatttt	ttactagctt	gcattattat	gttgagcaag	gtctttcctt	tcttttgccg	60
ctggaagggt	gcctggcatg	tattagatgt	ttaggaaata	gttactgaat	aaatgaacag	120
aataattttt	gattaagttt	ttkggraatt	waaatctgtc	acataggaag	cttcgtagg	180
tgttttaata	ggggaagaca	ggaacagttt	tttggaaaaa	tatatacagc	ttgac	235

<210> 31463

<211> 241

<212> DNA

<213> Homo sapiens

<400> 31463

aaaacagaaa	caaacaaacg	aaaagaattt	atcagcaata	tggtatggac	aacatagcaa	60
gaccacacct	ctacaaaaat	gttttttgaa	tagccaggtg	tggtggtgcg	tgctgtggt	120
cccagcta	gaggaggctk	argcssgar	ggtncacttg	aaggctacag	tgagctatga	180
tggcaccact	gcactccagt	gtggatcaca	gagcaagacc	ccagctctaa	aaaaaaaaaa	240
a						241

<210> 31464

<211> 116

<212> DNA

<213> Homo sapiens

<400> 31464

gtattttaata tttgcataat gattaatctc ctgctccaga ggaaattccc aaaggaagag 60
acaactcaga agcactttaa attgcaacac cacggcacca cggcaaagag ataaga 116

<210> 31465

<211> 125

<212> DNA

<213> Homo sapiens

<400> 31465

cactttgtat aaaaacaaga aacgattagt tcattaaact ttttctttac cttctggtag 60
taaaaataga taaaataatt ccggtttcaac tactgtgtgt aaaaagcctg tatcatatgt 120
aactg 125

<210> 31466

<211> 382

<212> DNA

<213> Homo sapiens

<400> 31466

tataatttaa ttatttggtat ttcaaaaact tatttttatt atwtagtgtt attgtttcca 60
tccattgccat tatgaactcc acaaaggcag gaagtttttc tgtcttggtc ccttgctgca 120
cctccartgc ttagaatagt gccagwmtct cavaartct ttgtcaagt agtgagggaa 180
atgttcagtt agtcccatg ctggacatca tccagvatat taggagttgg gtgagcacct 240
catactgcag aatcttgatt gccctctgag ggctctctta cagtttgatt gggcamtgat 300
tcctacctas ccaattavaa gggvagggtt ccagcccttc actcctttgt aaagtggaaa 360
cattgccttt gcctcrctaa ca 382

<210> 31467

<211> 278

<212> DNA

<213> Homo sapiens

<400> 31467

ccagggggta aatttgatc tcattacaac agagccttgt attaggcctg gagtataatt 60
aaatgtgagg aattataatt gggtccctct ttgaaagctc tctgagcacc atgtctacac 120
ttaagccatt acttttattt ttaatctaatt gggttgccgc tctctctccc tctttctctc 180
tccaaattaa atatcaacca taaaagaaac caaggagtc cagaaatctg tggctttaaa 240
aagactggat ctgaaaaga ttttcacaag acacttcc 278

<210> 31468

<211> 236

<212> DNA

<213> Homo sapiens

<400> 31468

catttagcac ccagtttctt aaacagtgtt tcagggccct gtctggaact tggcatgatg 60
gttctgttgc gaccagcatg gtgggtgttt ttttaggtttt ttttttwaat gggctgaggw 120
aatttcycat gamatgttty cctbctaatt kgggacagcc tttggggtgg atttctaaag 180
ttatacccac acaattaaac tatcccagaa acactgggca atgttaacga cactgt 236

<210> 31469
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 31469
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 gttcttttgt tgcttgtgct tttactatta agaatccatc gccaaa 106

<210> 31470
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 31470
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 actgtacttt catthttcaa ctctctgtca ctacagaaaa tgagaattgc tccccctctc 120
 cccatccact a 131

<210> 31471
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 31471
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 tgccctaatt aatatcaaga ttaaaactat agtaattaag atgctgttgc attgtacaca 120
 gacaactaga ctattggtac aaaatagtct ggaaatagtc acgtgtatta gtctgttctt 180
 gagttgttat aaagaaatac ctggctggtc atggtgactc atgcatgtaa tcccagcact 240
 ttgggagggtg atccacccac ctcggcctcc gaagtgtctg gattacaggc atgagccact 300
 gcaccccgca a 311

<210> 31472
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 31472
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 acgttttagga ctaatgtctt cattgtttta tctgtcttcc ttttagttgc ctaatcattt 120
 aaagatcaaaa ttaaattgaa atctaataata attcctgctg gtaaagtgc ttttatagta 180
 acttccacca tttatttggt ttcttagtag gaaactgatt taccttactt ctacatgtgt 240
 ttttggtatc tttattctga aattgtcttt tctttgtcaa tcaggatcta ggrrcttcaga 300
 acccatittgt atcaactcct aagaaactaa attagggtcac ctaacagtgt caaatgcctt 360
 tttcttctgc gttttcactg acattttaga actccaatac tgtcatactg tcatttttt 419

<210> 31473
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 31473
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tgaaccvtg	ccagtgcctg	tcttacacaa	aggaacactg	acagtagcac	aacagcagtg	360
cagctgacga	ggaagcacat	caaggctgca	gagacctcac	tgctttttta	aggcataatt	420
tctgcctctc	tctgtctctc	tctgagaagg	ccaaatgggt	ggaagtcaat	caatcacaca	480
ctgggt						486

<210> 31478
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 31478		
gattttgaaa	aggctctgac	agattaccgg gcagagctcc gggatgaccc a
		51

<210> 31479
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 31479		
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	60	
taatactgct	gatttagatt	ataaggaaa agattaagtc tcatatgaag gaaatactat
	120	
cttcaaaatg	aawccttkgg	ttcmaakgac tttcagatac cattttcacc aacttaagtt
	180	
tgtaaacggt	ctcaaagttt	ccgtggc
	207	

<210> 31480
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 31480		
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	60	
atatagataa	ttctttccat	aaggatattg ttagaacttc agtttctact ggraawaacc
	120	
tarmcttcaa	ytatttttct	wctwcctgtt cttaaaaaag gahaaaaatg ccaagcaa
	180	
atgattactg	acattattac	attctagagt gcttttaaatt gtcctaacag attggtagcc
	240	
taattttttc	acctttctcc	atatgcaccg
	270	

<210> 31481
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 31481		
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	60	
agaagggttg	ggagggaaag	gagtgaatgg atgctaaatc tgacgctaac tgattttact
	120	
accttggatc	tcgttgctca	atgcattata gtatttcgct gttcagcatt ttaacagcaa
	180	
atcctcttat	ttaataaggc	ctggagccca cagtgtggct cctgatgcat tgctgagggt
	240	
atgtaaggtc	ctgcgccgct	gcattacagc cacca
	275	

<210> 31482
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 31482

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ttactctt	tg	atccag	caat	ctaattt	cta	ggaattt	aat	ctaata	gaaat	120
aggcaaaa	aca	ttatatta	aat	agagctac	tc	attgcatt	ac	tatctata	aac	180
agaaatg	act	taaagttt	ct	aaggttat	tt	catacag	taa	taatata	gct	240
gattgct	cat	catgtacc	g	gc				catgctg	att	262

<210> 31483

<211> 399

<212> DNA

<213> Homo sapiens

<400> 31483

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gaactgg	ttt	gagg	cctt	tg	aaata	actg	ga	taa	acta	ct	gatgg	cgact	taaca	120
tccttct	tac	ttcc	aga	atg	ttac	agg	gat	tag	taatt	ac	tata	acttt	tgcg	180
ggaacct	gag	gat	cag	ctt	act	atg	tga	at	tttt	gt	ca	ctccc	agag	240
catccac	gtg	ggg	aat	caga	ctt	tt	aatg	ta	tgga	act	ata	gttg	aaa	300
agatac	ag	ta	cag	ta	agcc	atg	gtt	aact	gaa	atc	atga	ata	att	360
gatctac	aat	ggcc	aact	gg	acat	cat	ctg	gc	gag	cgt	gc			399

<210> 31484

<211> 477

<212> DNA

<213> Homo sapiens

<400> 31484

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atgtgaa	agt	tagg	ttct	ct	gagaaa	agg	taag	cagaaa	ggat	gatt	tc	tcaag	caatt	120	
aataagg	aat	tatt	ttct	tg	tgcc	atgt	tc	tagat	gcatt	gag	cacag	at	cctct	gtcc	180
taagctg	tcc	tag	agg	ctca	gg	ttag	catc	tat	ccaaa	agt	tgt	cctt	tga	tttt	240
tgaaaga	aca	gaag	gcat	ca	gag	ttt	ccag	tact	gaaga	gtag	gggtt	g	ttcat	cactt	300
cccagca	atc	acat	cact	tt	gtg	tagg	taa	ggat	atat	ga	tgt	gctt	aga	ttact	360
agctct	ctct	aagt	ggg	aga	atg	acct	gtc	cat	ggg	acaa	ctccc	g	ttc	atgg	420
ttcaga	agta	cct	cttt	ttg	ggc	agt	gtc	ctg	gat	ctac	ttct	acag	ca	catt	477

<210> 31485

<211> 375

<212> DNA

<213> Homo sapiens

<400> 31485

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gcacac	atcc	ctc	tagt	gg	gat	at	ctat	tcac	atat	ct	ccc	ag	cttt	ttatt	120
ttctg	tatat	cac	agt	gag	g	atg	gcc	ct	ag	cttt	ctc	ctg	gc	cag	180
gtctt	gcct	tag	at	tcgc	agag	acaaa	ttc	ac	ag	cat	gtc	tt	aa	atc	240
tgcaaga	acc	aaatt	gt	ctca	ac	agt	at	gta	tg	ttt	ag	agg	gg	tt	300
tctgg	at	atc	taacc	ac	cta	ctt	aa	at	ctg	ttg	at	ag	t	g	360
atcct	cc	ac	cct	cc											375

<210> 31486

<211> 276

<212> DNA

<213> Homo sapiens

<400> 31486

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ggcgggcgct	tgtaatccca	gctgctcggg	aggccgaggg	aggataatcg	cttgagcccc	120
gtgggaggag	gttgagtgga	gccaagatcg	tgccactgca	ctccagcctg	ggtagacagag	180
tgagactctg	tctcaaaaaca	aaaaccttct	tataattcct	gtaagagctt	ggtaactggt	240
agcctcctga	gttgagtgct	gtagggtttg	aggggc			276

<210> 31487

<211> 101

<212> DNA

<213> Homo sapiens

<400> 31487

tttgatttgc	atttctctaa	tgatcagtgga	tggtgagctt	ttatatctat	atttgctggc	60
cgcacgaatg	tcttcttttt	agaactgtct	gttcatgtct	t		101

<210> 31488

<211> 322

<212> DNA

<213> Homo sapiens

<400> 31488

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aatttcccaa	tgccacaatg	ctcatcttaa	acatgaagac	tggtgaagtg	atatgttgcc	120
attawtgrat	gcatckgttc	cagagattat	gtcaccacaa	aggagttaat	tggtcdtgtt	180
ttgagggtca	tgtttaattg	catagggtcag	caaaggaaga	taaatgacta	cttctttaag	240
tctgtgcttc	actttttctc	taagacagct	gaaacagtac	aatcgatttc	cttatcgcca	300
cagctggcac	catgagaatg	ac				322

<210> 31489

<211> 206

<212> DNA

<213> Homo sapiens

<400> 31489

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tggtgacccc	ttcttcccat	catgacctga	gctcggtttt	caggytaact	ttggaatatc	120
cctttkggcm	aataggmggg	gtcccttcag	tcagttaggg	ggcttagaat	tttatttttg	180
gtgtacgtgc	tcaaactgca	gccgct				206

<210> 31490

<211> 376

<212> DNA

<213> Homo sapiens

<400> 31490

cataaggtct	tcatcagaaa	tgcatcttagt	ttattcaacc	aagcattacc	atttgagcaa	60
ttgtctcatg	gagggtgaaca	ctagataaat	aatcacataa	ccaaatatat	ccttaccat	120
tggtgatgat	gctatggagg	aaaaatagcc	atgaaagtta	acagagttag	gtttttttta	180
aaattgggca	ttcaaagggtg	acttgtctga	agaaataaca	tttaagctga	aacctgaagg	240
ataaattgaa	attagcttat	tttttctaag	tgtttaataa	accatatttt	gaatttttgc	300
aaatcagtgt	catgtctcatt	ggtatagtat	atagttcctg	acatccattc	tcctgtaccc	360
tttccccgcc	cccagt					376

<210> 31491
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 31491
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 actccgcact gccctcaac agggatgact cagcagagat gactcagcac tgtcccttag 120
 cagggatgac acagcaagga tgactcagca ctgccctca gcaaggatga ctcagcactg 180
 ccgctcaaca gacatgactc agggatggct tagtactgcc cctcagcagg gatgactcag 240
 caccgcctcc 250

<210> 31492
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 31492
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 gagtaaaaat aaattgcttt gccaaagcagg rctcataaat tttctttgca taaataaacac 180
 attgkttata gaagattttg ctaaatectc taattcttct gcttcadrta catgcacagr 240
 tattactgag tttttattga aacttaaaaa gkgktaatk ttaaaccaca tttgrtattc 300
 aggktgcyga actgtagggc attaggagtc aatgktacc yaaatttgac taaaatgttt 360
 aaggcacaga ggcraaaagt ggaggaattt tgagttgt 398

<210> 31493
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 31493
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 tcttgaaatt gaagaaaata taggagaata caaaaaacag tttagggaga actcacatac 180
 ctaccaccca aaatggacaa atattaacat tttgtcatat gtttgttttt gtttgaaaca 240
 ttataaatga agttaaagtc ccctgtgttc tctcctcag acctattctt tctctccttc 300
 cccagataca atgagtatat ctgatgtggg tgtgtatcta gtccatgtat tcatgttgta 360
 ctatactgaa tgtatattct gcaaactcac tattcactta ccattaggct ttctgtgaca 420
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 taatcatcag t 491

<210> 31494
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 31494
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<210> 31495
 <211> 238
 <212> DNA

<213> Homo sapiens

<400> 31495

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taacaaatgg	caagtctggg	atttaagcct	tggtctgagg	ctaaaattta	tacttttttt	120
gtgatgccat	gatcatgtga	cttcaagcac	taaatactaa	ttcatgggta	catatatata	180
aggcaccag	ggccgggagc	ggtggctcac	gcctgtaatc	ccagcacttt	gggaggct	238

<210> 31496

<211> 229

<212> DNA

<213> Homo sapiens

<400> 31496

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aattcgggtt	cntcaaaatt	ataaaagcag	gaaagctcaa	gacaaagaaa	tccaacaagg	120
ctagtgat	ttt	cagtgatatg	gagaattggc	caacacccaa	gkgaattagt	180
tttcagagcg	tcctcagcca	aggaaataaa	aagccacaaa	atagaaaag		229

<210> 31497

<211> 235

<212> DNA

<213> Homo sapiens

<400> 31497

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attaatggtc	ttcctgcac	ctgtttataa	gcaaatttga	aatttaaaaa	atgtgtgtga	120
tgtagaagg	cagcaataaa	tgtagaaaat	taaaaacttt	gcttagccaa	taaattcagt	180
catctctgac	agttaatgaa	tgattatata	ttaaatacat	atagaagggg	gcgcc	235

<210> 31498

<211> 225

<212> DNA

<213> Homo sapiens

<400> 31498

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gggggtgttt	gtttttttct	tgtaaatttg	tttgagttca	ttgtagattc	tgatatttag	120
ccctttgtca	gatgagtagg	ttgtgaaaat	tttcccccat	tttttgggtn	gcctgttcac	180
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<210> 31499

<211> 459

<212> DNA

<213> Homo sapiens

<400> 31499

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agaatgttgc	cagttgttac	tgaatcatct	acaagtccat	atgttacctc	atacaagtca	180
cctgtcacca	ctttagataa	gagcactggc	attgggatct	ctacagaatc	agaagatgtt	240
cctcagctct	cagtgaaac	tgcgatagaa	aaacccgaag	agtttggaaa	gcacccagag	300
agttggaata	atgatgacat	tttgaaaaaa	aatttttagat	attaattcac	aagtgaaca	360
ggcattcttt	agtgacacca	gcaacccagc	atatagasgn	gatattgaag	cctctaaaga	420

tcacctaaaa cgaagccttg ctctagcagc agcagcaga

459

<210> 31500

<211> 165

<212> DNA

<213> Homo sapiens

<400> 31500

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atacagrwat tatttgaaat aattgacagg tctatagcca tacca	165

<210> 31501

<211> 198

<212> DNA

<213> Homo sapiens

<400> 31501

cgcgggacac agtcggggg accgggggtct gactccctta aacgtaagca cgtgtggggg	60
ccccatagt atttttcagg gacccttcac attttctgcc gaagcaatgg ccagtggtt	120
tgaagggcgs cggtggaaac ctccgaaccc agcaccacac tccctctgag cacggccgc	180
gccaggccag cccacccc	198

<210> 31502

<211> 153

<212> DNA

<213> Homo sapiens

<400> 31502

tatcagattd catggtaaga cttgtcacta tccaaaagga gaaaaaagta atcagaagaa	60
catggcaaatt attagattg gaaagaatta tgatagaaaa aatacaaata tgaatggact	120
aactctccag gtgagagatt gccagatgtg gaa	153

<210> 31503

<211> 432

<212> DNA

<213> Homo sapiens

<400> 31503

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tctaaatggt caatgtaaag aatcttaagg atatttcttg tgttgaaatt tacattcgat	120
tttgtgratt acacttgaa atagtgtgta aattgggtt ttaattgtag cncaaagggtg	180
cattaagcaa gtgtaacatt tttccacat aaaacttaga aaactttagt tacctgaaaa	240
gcaaggattc ttactaatt attatgctca ttcttgattt gacttccatg ttcacacttc	300
aaagtgtgaa aggaagcact agaaactggc attattgttg cactaaaaaa gtctataaat	360
cataatagca ccatgagggtg ttttgcaatg agacaaacat gaagaatgaa tttctttaag	420
agagaaacac aa	432

<210> 31504

<211> 340

<212> DNA

<213> Homo sapiens

<400> 31504

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tcagatgtca	atgacattgt	ctttggcaac	aaatgtcttg	taaagcactt	ttctctgaac	120
taagcagcat	tttatgataa	ttttatccat	tgaaatatat	aatcataata	tctttgccat	180
cactttttaga	atctaatttt	ttcaagaagg	aaatgaatat	gtaaaaatga	aagaaaaggc	240
caactgtatt	gaagatacaa	aatagagttg	gtagcggtat	atagaagaaa	aatcaagagg	300
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<210> 31505
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 31505	
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gaagccatta	tcctcagcaa actaacacag gaacagaaaa ctaaactctg tgtgttctca 120
cttatdaagt	gggagctgaa caatgagaac acatggacac agggagagga acaatacaca 180
cgggggcc	

<210> 31506
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 31506	
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atctaaggaa	gttttctctca gctcattaat tagaagcaga atttgtaaaa gtataaaaagt 120
tttcaagcac	tcgtctttgc ctttgagraw argkgtttt ttaaaagaat cactctcaac 180
aggggagatg	tcctctagtc gtttttcttc tgcctctcct gggaagggtt caaagtcat 240
ttttctaaaa	tgctgacctt caagcataag gaggaagagt caaagttaat ggccagagtt 300
catatactca	gatgaaacca gtcttcccaa ggcctcaggc tccaaaaaag gttgtagcta 360
tcaaaaagtg	rccaaagtgg gaaagggaga aaggataagc ttaa 404

<210> 31507
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 31507	
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tactaggcat	aaagcgctc

<210> 31508
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 31508	
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tgtagtagag	atatttttga gcatgagggtg ctttgggtgt actttttctt ttaaaatgca 120
gggaatttaa	tagtatgcag tttcarggtg tgtwaarggw aatcttttgg tggatgaaat 180
atatttngtg	gatgaatatg ctgtgatttg cttacacca ccccaaattcc attttgcagc 240
accctactca	ctgtccagag attctgggaa aaaacaatag agaagacaaa gccagtctag 300
acaccatttg	actctacctt gtgaatattc tgaaagttag attaggctaa 350

<210> 31509
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 31509
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 gtggtgcctg ccttaggact tatgggcagc cctttgtctg gacaaagggtg acagaccaac 120
 agttattgac ttagtaacag ctc 143

<210> 31510
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 31510
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 tttgtgcaag gcctgggtga gaatgttaca attgagctctg tggctgatta cttcaagcag 120
 awtkgkaatt aattaagaca aacaagaaaa cgggacagcc catgattaat ttgtacacag 180
 acagggaac tggcaagctg aaggagagag caaac 215

<210> 31511
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 31511
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 cacctgtgca cggcgacgac tgtgagatag gggcgagtgc tctgtcagat tcaggaggtt 120
 ttgtaatcct ycwsgagccc ggcgaaaaaa aaaatcaaak aaggggagcc agaagccct 180
 agaaagactg aaaaaggcta aagctggtga gaagtataaa tatgaagtcg aggacttcac 240
 aggtgtttat gaagaagttg atgaagaaca gtattcgaag ctggttcagg cacgccagga 300
 tgatgactgg attgtggatg atgatggtat tggctatgtg gaagatggcc gagagatttt 360
 tgatgatgac cttgaagatg atgcccttga tgcwbatgag aaaggaaaga tggtaaagca 420
 cgcaatg 427

<210> 31512
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 31512
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 agaaacagga cagtaatttt aaaaaagtat tctgtatcac acataattat atatggtatw 120
 ctttttctac cactggcagt aaaggctctgt ttatagcagc atcaccacaa acacacaagt 180
 aatgtgttgt gctaagaagt tatgaagtct acaacatcac tagatgactg gtaatttttt 240
 tttattagat gcaatcattg taatttttat gttgtagagt gctagatttt ttgttctagt 300
 gtataattaa gtarcttgaa gaacaghkta atcctttaga agcttgtttt taagttttgt 360
 tgtgtgtggt ttgttattaa tagt 384

<210> 31513
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 31513
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 gacaaagact ggcaaattgg atagagtcaa gacccatcag tgtgctgtat tcaggraamc 120
 ccattcctca acgggcagag acacatataa ggctcaaaat aaagggatgg aggaagatct 180
 accaagcaaa tggaacacgc 200

<210> 31514
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 31514
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 gttaaaggt tttgtggttt tagactgctt ctctcttttg caaatcctt ttctgtgaaa 120
 gaaaamcttt gvaacacatt gctatttgac atttkattaa tttgggtgggt ttgagggaga 180
 agggtagatt tcagttttga agttaaagaa ttttacaatt taggagggac tgaccctaca 240
 gatggcctgt ctctgggttt ccttcgcctc aatagaaact gcccttgctg acgtcccaaa 300
 tggcctctga tcattgaagc ctgttgctac ttgttagtcc ttgacatgac ttttctgta 360
 gtatttgatt ctgctgatca ttcctcatca aagctgtctc ttct 404

<210> 31515
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 31515
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 ctkgtkgkyc ccaacagttt gggaggccga ggcgggtgga tcacttgagg ccaggatttc 180
 gagattagct tggccaacat ggtgaaaccc cgtctctact aaaaatacga gaattagcga 240
 ctcccagca 249

<210> 31516
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 31516
 astitctgct ctgtgtctgc ccattgccac gatccaggag gactccgcgc cgcccggtg 60
 cctcygagct cgggc 75

<210> 31517
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 31517
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 tttttttttt tt 72

<210> 31518
 <211> 79
 <212> DNA

<400> 31523
 tatgagagat ataataataa gatataatat agggatacta agcatatccc tctaaataga 60
 agggatctcc actaccttaa gcctataaaa cagtcagagc tagtatagca gctgcct 117

<210> 31524
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 31524
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 agtattcttt gtgccatgcc ctttttagaca gttttgctag ctgacataga aataatacac 120
 aaacaaggga gatataccca aagggatattt gtgtcctcct ttgtttttga gacccaggac 180
 a 181

<210> 31525
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 31525
 cggasggagg cgagggtggg tgagcaaagg gattgggtct gtgggggtcca ggcccgaacc 60
 cctgaagacg ggctccgccc ccggct 86

<210> 31526
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 31526
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 cagatttttt ccggaaaata taaaatttct tacttttctt tttcttcttt gaccgtttta 120
 tctcaagtt ctaaaatata aaatttcaaa gatgacattg taattgccat tttcagtgat 180
 gtgccatctt tgcttaagta ttttaagttt agataggaag tatagagaca ctgagcagag 240
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 gacagcccaa 310

<210> 31527
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 31527
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 acaccagtag ggatgaccag aggttttgct acatgtccga ctgaaggaaat ggctgcctcc 120
 catgtggaaa gcagctcttg gtttagaaca aaatctcacc gagtccagct cgagcctcag 180
 cgattttcac cgagatgctt ggggtaaagg ttgcattttc cccctccagg gagggggaag 240
 tccagatact taggaggcct 260

<210> 31528
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 31528

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gataagtaat	cagatatgta	gggataaaca	atatgggaaa	taagaggaaa	ctacagcaaa	120
taaccttttt	aaatttgagc	tgaagtcatt	gtgaaggaa	gtgctttgtc	tgtagtgttg	180
ctccttggtc	atattgaagc	ttatgtacag	cacttagctg	tctgaccttt	cacggcagct	240
ttgaatcata	cattttcttt	tgaggaat	gttaggcttc	ttattgaaat	aaagtctcag	300
tcttagacat	catcaggaag	aataatatct	cccwdataaa	tgtttacatg	agcttgagaa	360
aagaacagt	gcct					374

<210> 31529

<211> 338

<212> DNA

<213> Homo sapiens

<400> 31529

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aaggtactga	ataaatat	tttaccatgg	gctgggcatg	gtcacttatg	cctgtaatcc	120
caacaacttg	ggaggctgag	gtgggaagat	ccttgagccc	aggagttgaa	gaccagcctg	180
ggcaacatag	tgagaccctc	tctctacaaa	aaaaagaaaa	ttaatattag	ctgggtgtgg	240
tggcacacac	ctcacttgag	cccaggaggt	cgaggctgca	gtgagctgtg	atcgaccac	300
tgcatccag	ccaaggtgac	agagccaaaa	ccgtcwsa			338

<210> 31530

<211> 190

<212> DNA

<213> Homo sapiens

<400> 31530

tatctagtgc	tttcttgtct	tgactcagtt	tcattttcct	aaccacataa	atgctgacgt	60
ctcatttggt	ttcttataat	ttgcagttgt	tctgtgagaa	tcgtgactga	aatatgaaaa	120
atattttaaa	atttaagggt	ttcaactcaa	ataccattgt	agcatgcttg	gtaccagaat	180
gtccccccagc						190

<210> 31531

<211> 190

<212> DNA

<213> Homo sapiens

<400> 31531

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agacactgat	gccgaaactg	aacaaatggt	ttaaaagaaa	tgacaggtta	ttatccagca		120
ctgagagagt	taacaaggac	tgganyaata	aggcta	acaa	agaataggat	gtgaatgttt	180
tcaagggcc							190

<210> 31532

<211> 295

<212> DNA

<213> Homo sapiens

<400> 31532

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gagttgcact	gaactcagtt	aaaaccttga	tctgtctgtt	tcttactcat	gtgacttgct	180
ttagttatct	taatttttgc	actttgtttt	ccttccttgc	agaaaggata	caatactact	240

tcatacatgt tctattgagg atcagactaa atgagattaa gaggtaaagc gccga 295

<210> 31533

<211> 333

<212> DNA

<213> Homo sapiens

<400> 31533

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agtctgagaa	ggtaagaagc	cgccggcctt	aggccctga	caactaagg	ctctgaggat	180
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tgggaatgaa	ggacaactgc	ggtgaggcgt	ctcttcctgg	cagaggatcg	tgagattcgc	300
tgacagcgaa	gaagcacggc	aaggggcata	ggr			333

<210> 31534

<211> 197

<212> DNA

<213> Homo sapiens

<400> 31534

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tgatgttact	attgtaattg	ttttgggcac	ctcaagccac	acccatataa	gatgctgaac	120
ttaatcgata	aatgttgtgt	gtgggtctgrc	tgttccatca	acacaccatt	cccatctcac	180
actttccttg	ggccgga					197

<210> 31535

<211> 167

<212> DNA

<213> Homo sapiens

<400> 31535

gaaattagtt	ggatattgtg	gcactcacct	gtgggtcccag	ctaccagga	ggctgggggtg	60
ggaggatcgc	ttgagcccag	gaggttgatg	ctgcagttag	ccgagatcac	gtcactgcat	120
tccagcctgg	gtgacagagt	gagaccctgt	cttaaaaaaa	aaaaaaa		167

<210> 31536

<211> 425

<212> DNA

<213> Homo sapiens

<400> 31536

cagaataact	gtaaggggtt	gtaagttttac	ctgtcctgca	gatgaaaaga	ttacttggca	60
tgggaatgat	tggcaaaggc	ctgctggaag	aaatgggact	tgaaatgrac	ctcaamcaat	120
gggcaacgga	tgtgggttga	ggtttgga	gttcccaaga	ccactctcag	gttcaaaaat	180
ttgctagagg	gacttgcaaa	attcagcaaa	gttggttacac	tcatagttac	tgtttggttac	240
agcaaaaaca	acaacaacaa	aaactttcaa	aaaactacac	agrttaaaat	caacagcaga	300
aaaggcacat	aggacaggga	ctaggagagt	tccacgagtg	agctttcagt	tgtcctttcw	360
cagtggaatt	gtggrcagca	cttactgctc	ccagcagtga	tgtgtggtaa	cacgcatgga	420
gtatt						425

<210> 31537

<211> 282

<212> DNA

004220" 666T560

<213> Homo sapiens

<400> 31537

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taggtgtgcc	cagacgcact	gacaaaatga	cgtgacttca	gggaagcctg	gacacccgag	120
gcacctggac	cagctatggg	tagttctgtg	ggtggaacac	attctgtgta	agagccccac	180
tgagggctct	gcagcggagt	gacagcaacc	ccagagatga	ggcaccagag	agtgccactg	240
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<210> 31538

<211> 294

<212> DNA

<213> Homo sapiens

<400> 31538

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ggccccctcc	ttcccggcct	ttcgccggga	gcctgctccc	tgscctgscg	cgtcggagga	120
ggaggcctgg	gatctggacg	tcaagcaaat	ttccctgggt	gaggcacctc	tcaaggggtg	180
gctcccaaca	gctcgggtcat	ggtggtgatg	ttcaggstgc	ttgctgctga	gcaattcctt	240
tttctagcca	agaagcccag	ttgccatgac	hnstatgtac	agcttcccca	ccga	294

<210> 31539

<211> 166

<212> DNA

<213> Homo sapiens

<400> 31539

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agaaacattt	cttaatgaaa	tggaacagccg	tatagtgaat	aggggatgaa	gagcaagaat	120
ttctgtcact	ccagtcctca	gctttttttt	tttttttttt	tttttt		166

<210> 31540

<211> 393

<212> DNA

<213> Homo sapiens

<400> 31540

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ctaagctcaa	gcagtcctcc	cgccctggcc	tctgaatgtg	ctgggnttac	aggcatgagc	120
cactatgcct	aaccatattt	tttccaatat	taaaaaatct	ttttttcccc	ctaaggaatg	180
tgttatataa	ggtcaacatg	tttttagtgc	ttcagtttga	cttgtctaca	tctaaagtta	240
actctttaag	gcttacattt	atgattataa	ttctttccat	cgagggattt	agtctccatt	300
attgtcatgt	ttcttgattt	ttttcattat	acttggttct	tctttttgtc	taggttttat	360
atatacctta	attaattcct	tcttggtctg	ttc			393

<210> 31541

<211> 154

<212> DNA

<213> Homo sapiens

<400> 31541

cacaaagttt	gttccctaag	gaaatcaaat	cccattgtca	cctaactctg	aagatctaaa	60
tagcccttgg	atcagtagcg	gaaccccaaa	tcccacaggg	ccagatgtgg	agtctgtgtc	120
tgcccccgtc	ttctctccat	cctcaaagca	cccc			154

<210> 31542

<211> 251

<212> DNA

<213> Homo sapiens

<400> 31542

aaataatctg	cacaccaaac	ccctgtgaca	tgcagtttac	gtatatgaca	aacatgcaca	60
tgtacccctg	aacctaaaat	taaaaaacaa	attaccagga	ctgaatctat	attgaaggca	120
ggaattcaga	gagagaagca	gagtattaaa	gactgctttt	cttctgagga	catttgccac	180
attctgagga	gcttttactt	tgcttttgaa	ggcctcacia	ggcacaggat	atagaaatgg	240
aagcccagga	t					251

<210> 31543

<211> 357

<212> DNA

<213> Homo sapiens

<400> 31543

tcatgtctat	taggagtgtg	aaagggcatt	catgtatcaa	aggcgctgac	atatttggtg	60
taatgatatt	gtcataatta	aaaggctgta	gaatctaggt	attgtggggg	tggctthgaa	120
gaagtatcta	cttagtcgtg	ttgaataaaa	tttttaaatt	tcgcagagaa	accctaggat	180
actgagtcac	taattgaagg	agtcaacttt	ggggctggac	ttatgggtgt	gtcttatagc	240
agtataaatc	tgcgcascag	tagtatgtaa	gggattgcag	aaagaattta	atttcataga	300
accattatt	aatatgagag	ttacaaaatg	atactgattt	tgatttagca	tgctga	357

<210> 31544

<211> 407

<212> DNA

<213> Homo sapiens

<400> 31544

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accctgtcta	tgactgcctc	ttccggctgg	cccagccaga	cagtttgagc	aaggaggagg	120
raggtggact	gtttggtgct	gcagctgcac	cgggttgggg	agcagctgga	gaaaatgaat	180
gggcagcgca	tgatgagct	ctttgtgctg	atccgggatg	gcttcctgct	cccaactggc	240
ctcagctccc	tgccccagct	gctgctgctg	gagatcattg	agttccgggc	ggccggctgg	300
aagacaacgc	cagctgcccc	caagtattac	tacagcgaag	tctccgacta	ggcctccaga	360
tcagggcttc	ctcaccagca	ctggcctttc	ttctaccac	ctctaga		407

<210> 31545

<211> 349

<212> DNA

<213> Homo sapiens

<400> 31545

ttcaatttta	atattttatc	agcctcttac	ctttttgcta	aaaccaaaaag	ttcaaaaagaa	60
aggtgatcag	ggcactccca	ggaatttttt	agccatgtga	gaatatatgg	tgaaatgatt	120
caagtagatg	caacatggtc	tactggaaaa	gcaactgagat	tttgaggaga	aaacttagct	180
ctgccattag	ttaattgtca	tcaaggctct	cctatgaaaa	ttgtagttca	atatttcaaac	240
atattattgtt	tttctccaaa	gtgctaggca	tatgcttttg	tgctggagat	gaaagatgaa	300
taacatgtag	gtgctgtttt	tgaagaacat	cactgaagag	agagtgcgc		349

<210> 31546

<211> 314
 <212> DNA
 <213> Homo sapiens

<400> 31546

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tacacaagtc	atctgtcact	tctagttaca	ataggcggtt	tacttggttt	tcgtattcct	120
gttcgggaat	gttaaagatt	ccaaaaatac	ttagttttaa	aacaagccca	gtagtttctc	180
tgagagtgt	tttacttttt	aagttaaga	agctgccaaa	tggttcgcaa	ttctgactcc	240
ttggagagta	gaggtaagaa	gccctttcct	cacactgttc	tgttacaacc	acttgattct	300
aaccatttcc	cccc					314

<210> 31547
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 31547

ctcaacaagt	aaacagatgt	agagcatggt	atcatatttt	gaacatttct	taaaagaggt	60
agattcacct	taaacacatt	tctttataca	tagatgttca	ctaaaatgaa	tcattaaagt	120
gatttatttt	aatagctctt	ttatcactaa	tggatgttga	cctcagccca	ttattttgtg	180
cttctccata	ctctttctgg	ttggatttta	gcatgtttcc	gaagtgatcc	taagatctta	240
aatgggctaa	agatgtttca	agttctctaa	catcctttta	ttgtgataaa	atatgcataa	300
cataacattt	agcatcctaa	ccatttttta	gtgtagaatt	taagtggcra	taagaacttt	360
cgcattgggc	caggtgcagt	ggctcacacc	tgtaatccca	gcaatttggg	aggccaagat	420
gggcagatcg	cttga					435

<210> 31548
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 31548

cagtggggag	agatatattac	taaagtatca	cacaaataaa	tgtgacatgt	ctatgaagga	60
aaggcataaa	gtgccaatag	gggggttaga	gatagcttcc	ccctaaaaag	gcaatgaagc	120
taagatctaa	ggaagcagta	ggagttaact	aagcaaagaa	gaaaacaaag	gggagcaa	178

<210> 31549
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 31549

gcgcgcggtc	agctgttggc	ggtgcaggga	ggaggacgcc	ggggctcgcc	ttccctcctc	60
tgcgcgcgct	gccgccatga	ttccgggtgc	gctgggtggtg	gtgggtggtg	gtggctggac	120
tgctgtctac	ctgrmcgact	tggtgcctka	agtcactctgk	ctatktkaaa	cattcttatg	180
gagactggc						189

<210> 31550
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 31550

cttgtaaatg	tctttcagaa	gagtttttagg	gtttccatca	tatagatctt	acacgtcttt	60
tgtagataa	cagatctttg	tattttgttc	ctaaatactt	cagacatttg	tattgccatt	120
gtaaattgga	tctttcttcc	atktttctagk	ttagttattg	gkggtacatc	tgraaagcat	180
ttgaggtttg	tgtgctgctc	tcttgatttt	gtttctagcc	accaa		225

<210> 31551

<211> 287

<212> DNA

<213> Homo sapiens

<400> 31551

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taacacagaa	cattgccatt	tgtctttgta	ggcctcaa	atgaaagcta	ttagtcatag	120
agcctaggaa	aaaaagaatt	gattaatggt	cctttttattt	tgtaacctta	taaatgctgt	180
agatattatc	aaaaaaaaatt	ttaatttcat	attgtttaca	tcatgcaact	aatctaagcc	240
tcaaactcgt	tattggggct	ataaagaaaa	cgtttactta	cccagct		287

<210> 31552

<211> 319

<212> DNA

<213> Homo sapiens

<400> 31552

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gaagaagcgg	caacgtcgtc	gtcgtcgccg	tcgtcgtcgt	cgtcggtatc	tggggcccga	120
cgatgacgag	gaggatgagg	aggaagagga	ggaagaggag	gaggaggaag	aagaggagga	180
ggaggaagag	gaggaggaag	cgccgcccc	gcctcgggta	gtgagcgagg	agcatctgcg	240
gagatatgct	cccgaaccctg	tattagtgcg	gggtgccggc	cacatcactg	tgtttggtt	300
gagcaacaag	tttgatact					319

<210> 31553

<211> 441

<212> DNA

<213> Homo sapiens

<400> 31553

cacttgatga	tagacttgaa	aattgacttg	agaaactgca	cagtttctgt	gcaacattat	60
ataggatc	tttacaag	acaacattcg	aagcaagaaa	ttggagctta	rgsmagtatt	120
acactttcta	tcttacctat	actactctct	gagaaaccca	tttctagcct	gtacagcata	180
gcttgtaa	ac	tgtgatcttc	gactagtatg	aataagtctt	gtgttgagtt	240
ggccgggagt	ttatcagctg	agccatctca	cctgcattcc	ttgcaagtca	ttagagcctt	300
agatgcctgg	cttggttttg	ggcttctcca	gcagagagca	gtgaaacact	gtcaataaac	360
ctaattctgg	aaaccagagt	agattccaag	ttgggaaaaa	agcaaaggca	gaactagcag	420
gctcatcaga	gttataaaga	a				441

<210> 31554

<211> 447

<212> DNA

<213> Homo sapiens

<400> 31554

tatgtctttt	gaatttgtga	tgtacatatt	aacagtagat	taagttgaaa	taataaaatc	60
tgtattgttt	atgatttate	agttatatga	tgagtagaat	atagtctatt	gtggscmagt	120
gtgtatatat	aacataaaca	atacatat	ccaattttgt	gtgaaaatta	ttttgggacc	180

tagtagcttt	cttggtcaca	acctttcaaa	caaacaaatt	ttttttaaat	taattttttc	240
ccttaataaa	gaaaacaatt	cctcaatgtg	taatagcaaa	taccttttaa	cagggtcatat	300
atcatcaatg	ctttctttga	aancgtactg	atgcttacia	gatgctttac	gagtaaagat	360
gcttacaaat	cttttctttc	aagtagctca	tcctctgatc	attattctgn	tgtttgatat	420
ctactcccta	gcatttatcc	atgacgt				447

<210> 31555
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 31555						
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accacaacca	ttattaagtg	agtcaaatta	atcatatttc	tttttttgrg	acggraktct	120
tgctctgtct	cccaggctgg	agtgcagtgg	tgtgatcttg	gctcactgca	agctccgcct	180
cccagggtca	cgctattctc	ctccctcagc	ctcccagagta	gctgggacta	caggcacctg	240
cc						242

<210> 31556
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 31556						
acttcattca	cttgcaaate	agtgtgtgcc	cacaagagcc	agctctcccg	agcccgtaac	60
cttcgcatcc	caagagctgc	agtttcagcc	gcgacagcaa	gaacggsaga	agcgggcgaa	120
cggcggcggc	ggcggcggc					139

<210> 31557
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 31557						
acagaaggaa	tgaagtctga	tatagaacta	gggatggccg	tattggtgat	ggcaggtaag	60
agtcccta	tccttggcaa	atgtgcacca	gctgtgtata	gaaacccaka	tttktggatg	120
tctcttcagc	aagaggtaaa	ggaagctgca	actacagcca	gaaggcatca	caggaggcct	180
ctgcatgatg	tggtcttcaa	agactcaagg	accac			215

<210> 31558
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 31558						
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gggaaaaggt	cttaactttg	gatttcattc	tgaaatgaaa	gtggtttatg	ggawttttde	120
tkgtaagtcc	aaagataata	catactatgt	gtaggacaat	caaggaatac	agaaaattat	180
aagaaagtaa	agctgacatc	ccaccactgt	ggaataactt	ggtgaatats	battagtcac	240
gcaggaaaca	tttaacatac	ttaatagata	aacatactta	acagataaac	cacaaataka	300
tataggagaa	tggaaccata	gagggcvtgc	caccttgga	ccagcgtctt	tgcccttgaca	360
aatgatgtg	tgttgtaghc	ytcttgcntg	gccacctgt	cagcctannt	ycggccttta	420
caggaatta	gcaggagtca	gttcaataat	gacatttctt	ctt		463

<210> 31559
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 31559
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 agtgcaccta tgatatgtgt tttagaaata gccattanac tttgggttga attraagaat 120
 gtctctcaat ccacctatat ttctcaaacg aagtgabaga aaatagttca aaatttgttg 180
 aaacaaaaca gtcacaaact acttccatag cttcagaaga tccccttcaa aacttatgtt 240
 tagcatctca agaagttctt caaaaagctc agcaaagtgg gagatcaaaa tgtctcaaat 300
 gtggtgggttc cagaatgttc tactgtata catgttatgt tccagttgaa aatgtaccta 360
 ttgaacagat tccacttgtg aagcttccat tgaagattga catcattaaa catccaaatg 420
 aaacagatgg caaaagtact gctatacatg caa 453

<210> 31560
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 31560
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 tgaagttttt gttgtacatt ctttctgtga gcatataacc ttaatgggtg gggttttcca 120
 atatttggwa ttttcatata aatgcaaggc acaacatgaa agcaagaaca aagaaccaat 180
 ctatttttag atcattgtct ttcagtgggt tggagtgatg agadvdgagg gaggccctat 240
 cctaccccat gctggcatat caggatctct gggggaactt ttcaaactgc tcattttctt 300
 tggccccagt aggaagcacc aggtgtaatg tgagcttttg cctgacagga gtgtactatt 360
 cttgaagaat attgaagcag aaaaaatgag agtactgttg gaggaagaag ttaatagstg 420
 atctgatt 428

<210> 31561
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 31561
 acacatgacc tctgtccttc cagctgccac cagtttctgg gttgtcgagt gataccctga 60
 aagtttacag tcaacactcc ttgtgtggg tcaagtctag aaatggcgrc gsytscttyc 120
 tccgaagata ggaaagaaaa ggacctcatt ccaactgagc attgaccgaa atattttctc 180
 aacaaagttg aactgagctg aaactgtgtg aatcatggca atacagtga agacagtgat 240
 ttactgcttt tgagggcggt catgtatatg attaacggat ggaagtgcag gactccaaga 300
 ttacttcct tccctttcca gcagaattac ctgagacgag taaaatctac tgggtggagtc 360
 actccattat tcttatctgt ggagatctag atcttgattt gaaagtttct gagaaaatct 420
 tcagctcaga cttgagggtc aactttacca gctgaaggag ctgtggagtc caagtgtgac 480
 t 481

<210> 31562
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 31562
 ctacatgctt cctgctgtgg ctgtctcgga acccgtggtc ctccgcttca ttctgccgag 60
 ttcttgggat tgcaggtgcg cgccgccact cctgactggt ttttgtattt tttggktgga 120

004220"6667560

gac

123

<210> 31563

<211> 330

<212> DNA

<213> Homo sapiens

<400> 31563

taagtagaaa	ttacaacttc	cgtaagcata	atttgttgct	gctgagcaat	tttgaatga	60
gtaacaatat	tctaaaggta	gactctcata	ggaaataaaa	gcagaactga	tgtccttcca	120
gaatgtatag	aaagcatatt	tattttcaaa	aactgtttgc	cagaaaattg	agcaaaactt	180
aaactgtata	cttatcaact	atttcctttt	aaagatactg	atttggtagt	cacagtttag	240
gaggaaatta	caaaattttg	ttgttgaaaa	gatacaatcc	agggaaagtg	cccgtccaca	300
ttagttagta	ttgctgctgc	tgaagccact				330

<210> 31564

<211> 442

<212> DNA

<213> Homo sapiens

<400> 31564

gaccttaaga	tgttcatcaa	cccattttat	ccaagcaaag	tacattagac	tggtggacct	60
gctaaaataa	tatttcactg	aaatctggca	ttaaaaaatt	taagtgggta	tttgagctc	120
catgtaatga	ttacagtttt	ttttcaattt	gaaataaata	agcgtccttt	gaatactaaa	180
agctgtttcc	ttttgacatt	taattaaccc	tgttttaaac	gtgagatgta	gtggtggttt	240
gctagtggac	tagacttttt	cttttaggct	gccaaaggct	ttgaagagga	ttatcacaaa	300
gttttgtgtc	agaaactgta	agtagtgcac	atttaatcct	aaaaactcag	gattgatgta	360
agcactggaa	tactttatct	gcagaaatgt	gtatcacatt	acttaatwnt	tttttgaaac	420
agctgtagga	agagtttagca	ct				442

<210> 31565

<211> 257

<212> DNA

<213> Homo sapiens

<400> 31565

tatttaggaa	taaaatggga	ggcagggttt	cctgacacag	ctcccagcct	gacttttccc	60
ttggcttagt	gattttgggg	tcctgagatc	tattttcggt	tcataaactt	cagtaggatc	120
actctggctg	ctgtgtagag	aatagggtag	aaagaagaga	ccagtttaga	gactacagaa	180
gatgtgatta	aaatttggat	atatatcgga	ggtagaactg	aggatcttgg	gcccgtgcta	240
cagaaagaga	atagagc					257

<210> 31566

<211> 205

<212> DNA

<213> Homo sapiens

<400> 31566

cttgtgtgtg	gtttttcagc	tccatcaggt	catttatgtt	cttctttata	ctggttattc	60
cagttagcaa	ttcgtctaac	cttttttcaa	ggttcttagc	ttccttgcat	taggttagaa	120
catgcttctt	cagcttgagg	gagtttggtt	ttacccacct	tctgaagcct	acttctgtca	180
atttgtcaaa	ctcattctgc	atctg				205

<210> 31567

<211> 173
 <212> DNA
 <213> Homo sapiens

<400> 31567
 ccttagaatc tcagaaattg actttgcatg tggatgctt tgtttgtatg gcatttttaa 60
 actgcggasa tatagaagat aattacatat gcattgtgca tattagaaac tgaaatttct 120
 gttttccttt agaaagaaat tcctgttcat ggaattgaat caacagcgac ctc 173

<210> 31568
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 31568
 tatgactaga cagaagatag gagggatgac aagttttcgg ggtgcagtcc gagtggatgg 60
 ggggtgactg aataaagcct gttgtaaaga tagggtaagg aagaatagac ctaataaaaa 120
 tgaaargrat gtattaggct tataaggatt actgttatcc tttaggaatg caggtagatt 180
 taaggggaagt aggggtgagta cttgtgactt ccaggaggaa gaggagagat caggctggct 240
 gtccgacgga cacggcttta ttctggaacg gtgaacccaa tggggagggt cctgcaggcg 300
 gatggcagtt ggggtactat agatgactaa gtagggtcng gtccatcgag gttgtag 357

<210> 31569
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 31569
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 ctaaagcata tcaaagttcc ttaatttatg aggggtgtgc ctaataaacc catcataaat 120
 ttgaaaatat ctttaagttga aatgcattta atccacctaa cctactgaac aa 172

<210> 31570
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 31570
 aaatctttga aaaacacatt ggtggcaagg catgtcctta gaaaaagtct cttatctagc 60
 agagtcatca gggctgccct ttggtaatgc aaattattaa tgatttttta tcttattaaa 120
 ataattttac agtcacatct ttcataagctt tttaaaattt taaaatttaa aatttattta 180
 tttatttttt agagacaaag tctcattctg tcaactcaggc cggagtgcag tggatcat 240
 agtcaactgc agcctcaaac tcctgggctc aggtgatttt cccacctcag ccaagtggct 300
 gggactacaa gcatactcca cc 322

<210> 31571
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 31571
 tacaaagata catgcatagc tatgttcaact gcagcagtgt tcacaatagc aaagatatgg 60
 aatcaaccga aatgtccatc aatgatagac tagataaaga aaatatggta cttatatagc 120
 atggaatact gtgcaaccat aaaaaggaat gagatcatgc cctttgcagg gacatggatg 180

gatctggaag ccattatcct cagcaaagta acacaggaac agaaaaccaa acaccacatg 240
 ttcttactta taagcgggag ctg 263

<210> 31572

<211> 311

<212> DNA

<213> Homo sapiens

<400> 31572

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 cctgcatggg ataatttgaa gtttcatagg aaggccctga aatagtactg ttctytccac 120
 cccaaaatgt gagncatata tgtaatttaa aatgtttagg aagccacatt aaaaaatttt 180
 taaagaaacg ggcgggaaat tagtttcaat atatttgatt taacctata tattttaaatt 240
 ataatttcaa catgtaatca gcataaaaaa tttttactca gtctgtgcta tattttacac 300
 ttagcacata g 311

<210> 31573

<211> 84

<212> DNA

<213> Homo sapiens

<400> 31573

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 aggttccgtg ggactggagc ccgc 84

<210> 31574

<211> 327

<212> DNA

<213> Homo sapiens

<400> 31574

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 accagcctgg ccagcatggg gaaaccctgt ctgtactaaa aatacaaaaa ttagctgggt 180
 gtggtggtgc gcacctgtaa tcccagttac tcaggaagct gagacaggag aattgcttga 240
 acctggaaaag tggagggtgc aatgagccag gattgtgcca ctgtactcca acctgggcaa 300
 cagagtgcaca ctctgtcaca aaaaaaa 327

<210> 31575

<211> 198

<212> DNA

<213> Homo sapiens

<400> 31575

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 ctccacattt cttgtcaggt tgaatcctgg gttttgggaa tatgaatagg atcttttttt 120
 cttattattt tctaaagggt agtgtttaca tacarggaaa gataggctgt gtgtgtgtgt 180
 gtgtgtgtgt gtgtgtgt 198

<210> 31576

<211> 434

<212> DNA

<213> Homo sapiens

<400> 31576

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ttttttatgt	tgtcatatac	caggscagra	tgrattnagg	taaaaacaac	actcttcatt	180
taaanataata	cagagtcgtc	ctttttcagc	aatgagtaaa	ttgaggcctt	ggcgattttg	240
gaggaaaagag	aattgcaaag	ccagcaattg	tttctttttt	tattttattta	tttacttatt	300
ttttaaaatt	atactttaag	ttatagggta	catgtacaca	atgtgcaggt	ttgttacata	360
tgtatacatg	tgccatgttg	gtgtactgca	cccattaact	cgtcatttac	attaggtgta	420
tctcctactg	ctat					434

<210> 31577

<211> 448

<212> DNA

<213> Homo sapiens

<400> 31577

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tttatcgatt	catccagttg	agktgtttct	actgtttggc	taatgttcat	agtgcgtgta	180
tgaatgttcg	tgtacagtat	ttgagtcctg	gttttcaatt	atttggggta	tatgcctggg	240
agtggagttg	ctgggtcatg	ttgaaatcgc	acattttaact	ttttgaggaa	ctgtcaaact	300
ttccctcagc	agctgtaccg	ttttaacttc	caccattgat	gtatgagggt	tccaatttct	360
ccacaccttc	accaacactt	attttgccat	tttaaaaatt	atagccatcc	tcatgggtgt	420
ggtctctcat	tgtgggtttg	atttgcatt				448

<210> 31578

<211> 200

<212> DNA

<213> Homo sapiens

<400> 31578

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atgtctttgt	tttgacaaat	gtactatggg	tgtgtcagtt	ngttaacata	gtagaaaattg	180
ggtgaaaggt	atataggagc					200

<210> 31579

<211> 246

<212> DNA

<213> Homo sapiens

<400> 31579

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ctaagtgccca	agtgggccac	agtatctgga	gtttcccttc	ctggtagatg	ggcttgagca	120
ggcaatgatg	agttctctgc	tctcctcttc	cagaccttga	agactgttgt	cccatattgtt	180
agtatgttag	tgtaagttag	ctgattgtat	tctttctaata	ttgtttggta	ttgaaaagat	240
ggccgc						246

<210> 31580

<211> 294

<212> DNA

<213> Homo sapiens

<400> 31580

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actctaaaaa	atctgggtat	tgaggaarca	tagctcaaaa	gtgatgrgct	gtttttgtac	180
cagtatcatg	ctgttttggt	tactgtagcc	ctgtagtata	gtttgangtt	gggtaacatg	240
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<210> 31581

<211> 471

<212> DNA

<213> Homo sapiens

<400> 31581

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atttgcttct	tccatggctt	tcttcktag	ttgramtckt	aattttttcc	aataaagkat	180
acagttattc	agtatttcta	agtatctcca	gagcataaca	gtgattttag	tgttttttgc	240
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tggcgtgac	tcggctcagt	gcagcttcaa	cctccccggc	tcaagtgatc	ctcccacctc	360
agcctctcca	agtagctgga	atatagacgt	atgccamcac	accagctaaa	ttttgtttca	420
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<210> 31582

<211> 286

<212> DNA

<213> Homo sapiens

<400> 31582

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ccggggggact	ggccggcccc	cttcgtgcct	gcgggaagtc	gggccggggg	actcttcgga	120
aactccgagc	ctcagagaaa	tatsgccgct	ccgaasgctt	gcssgkccta	ctgggtgcagc	180
cagcagcgcc	tgaatcagca	gctagcacga	cagckagagc	aagaggcccg	gcttcggcag	240
cagtgggagc	agaacagccg	ttacttcagg	atgtctgaca	tctgca		286

<210> 31583

<211> 296

<212> DNA

<213> Homo sapiens

<400> 31583

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taggcctcac	tctcttgccc	aggctggagt	gaagtggcgc	agtggcacag	tcatagctca	120
ctctaaccct	gaactaactc	ctcaastyma	actggwtcct	ckgcctmag	cctgccaagc	180
agctgggatb	atagacatga	gccaccttgc	ccagctcagt	atcatttttc	acattcaagc	240
taatgaaata	attcaataga	attaaacaaa	tgcttttcaa	aaatgaagtt	ggaamc	296

<210> 31584

<211> 289

<212> DNA

<213> Homo sapiens

<400> 31584

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acatttgga	ttgrcggaaa	caacgktgcy	watttyccac	csattkgttt	tcggcagcct	180

taaggccctc attctcattt cgggtgaatc tgtctatctg tgaacgtggc ccgcatgtgc	240
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<210> 31585
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 31585	
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aatcagaaat gagtttaatc tgggtcaatt ctctcatttt acataaggaa gggaggtggc	120
ttgctcaagg ccatcagcaa gtagtcaaca agrccaggag ccaaggttta ttccactatg	180
gtaatgttgc cagggttttc tgtgtttgct agtgtataaa atgtattctc cctctcattt	240
cgtaacgaac atcccattca tccagactat acaaagcgca gtgccagagt gaattgatag	300
atgatactgc tccctagtag cagaacttgg caacacacaa ctttgcaata atgatgagat	360
tggttatctt ctatcctttg cagaaaaaac acgccgca	398

<210> 31586
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 31586	
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aataaatgag tggctcgagc acatgtttct ttttttgaaa tagtttcttt gaagttttat	120
tgtggactta aatctaatat ccctggc	147

<210> 31587
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 31587	
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attccacac	69

<210> 31588
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 31588	
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gaagtctggg caccaccgtg tgaagacagg gacagtgggt aagagggaag agcccgtggg	120
agaggcagct ttggcctttg actcagtgra tttaggtttt tataaaaagg gtccccgtcg	180
tgttgacgtg actttcttct cttatgaggt aatttgttca aaactgtctt gcagattcaa	240
aagtggtcaa tacaacgttt attaaagaac aagggaaaga gagaactaat gtgtattaag	300
cccttcagtc tcacctacta agcacctact	330

<210> 31589
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 31589
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 gcctccaca 69

<210> 31590
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 31590
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 tgttattaca aaagagtcaa aaagttaaga aactttaaaa gttcataaag taaaaatggt 120

<210> 31591
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 31591
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 atattgaggc wrtatcaaat tactataaac gtttcttttt ttttt 105

<210> 31592
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 31592
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 cccaatttgc tcttcannna agtcttggct attgtttaat gactggacac aaattgttng 180
 aacagtatat acagattcct taagtaagtc ttaaaaaatgg maaagccabc caggtgtggt 240
 ggcccaytcc cgtaatccca gcactttggg agtccaaggt gggcagatca cctgagggca 300
 ggagttcgag atcagcctgg ccaacatggt gaaachcgtc tctactaaaa atac 354

<210> 31593
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 31593
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 ctatgacaat ccaaattctca tcaaaccaat tccagtgaata cccagtgaata accagcaaca 180
 gcgtatacct cagcccaacc agaccttaga ccctgaaccc caacacag 228

<210> 31594
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 31594
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 attgctttat ggtgtcccat atgtcacaag agttttgttt atktktttaw tttkaktkt 120

ttaatgttgt	ctgattgggt	tattacaaaa	gacctgtctt	caatttctga	aattcttcct	180
tctgcttgat	ctagtctatt	gttgacagctt	ttgaataaat	tttctgttyk	attcaagaag	240
ttcttcaatt	ctagaatttc	tatttttgatt	cttttgtaar	cttctcataa	tattctgagt	300
tgtttttctg	atatctttgt	attgtttttc	tggattctct	tgtacctcac	tgaacttggt	360
taatgtcatg	attctgagta	cttttttttag	attgcatagg	tttatttttc	atta	414

<210> 31595

<211> 415

<212> DNA

<213> Homo sapiens

<400> 31595

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ttttttactt	tgtgacttat	taatagtagt	agtatatacg	ttcttataca	catcttctag	120
tgtacatgtg	catgcagatg	aagacattaa	cacctgtctt	cagtttttagt	aagtattccc	180
taattattca	acgtacttat	tccagttttac	atccctacta	acagtgtgtg	acagttgttt	240
cacatccttg	ccaacacttg	gcattaacta	atcttgtgag	catataacag	tatttcattg	300
tcactttaat	aagagccctc	ccccttttca	tatgtgtttt	ggctgattcc	tacttttgtg	360
aacttttagtg	gttcattgga	ggtttttttt	tatkttttyat	tttttgaggc	agata	415

<210> 31596

<211> 340

<212> DNA

<213> Homo sapiens

<400> 31596

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ggcttgatgt	ttatgatgta	tttatgttaa	ctcaaattct	ctttcattga	cctatcctct	120
ttgtgactaa	tgaaacgcct	ttgcaaaagg	gccagttttg	gaggggtggg	tgttctgtca	180
gcagtaacat	ctcagatctg	tttatgcctt	ggagggacca	tgtcctcagg	ctagatctcg	240
ggggctcagt	attctagtag	cataaatatt	tttagaactg	tctttttgag	ttctactttc	300
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<210> 31597

<211> 481

<212> DNA

<213> Homo sapiens

<400> 31597

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agaccagcct	gatcaacatg	gtgaaactgc	gtctyytact	taaaawtata	aaaaatcagc	180
cgggcgtggg	ggcggggcgc	tgtaatccca	gctactctgg	aggctgaggc	aggagaattg	240
cttgaacccg	agaggcagag	gctgcagtga	accaagatcg	tgccattgca	ctccagcctg	300
gtcaacaaga	gtgaaactcc	gtctcaaaaa	graaaaagaa	aaaatatgaa	atgtgtaaaa	360
atattgactc	ttgatatagt	taattcttca	gagtttgaar	gagccggaat	dgstgctctc	420
aggatatgag	gcctgggtgg	aacagacttc	tagttctgcc	ataaaggttt	gtgtttgaca	480
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<210> 31598

<211> 287

<212> DNA

<213> Homo sapiens

<400> 31598

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ccagtaagga	agaatgagtc	agatattgtg	ggacctcttt	ttttgttggt	tttttttgc	120
cccagaaatc	tttgaggtaa	gtaacatagt	taattkragg	kcytggrgtw	atgtactcca	180
ttkattcatt	ttttcttaac	atagtccttc	cttactatgt	gatattctct	gtcctagatc	240
ttgaaaatac	aagttaaata	tggcatattc	tttacctcta	tgagctc		287

<210> 31599

<211> 76

<212> DNA

<213> Homo sapiens

<400> 31599

tagaataaaa	tccaaacttt	taatattagg	ttgtgaagtt	ctgtagattc	tttgtctttg	60
ctcttatctg	gtacca					76

<210> 31600

<211> 215

<212> DNA

<213> Homo sapiens

<400> 31600

tgtgatcaact	ttgtttcaaa	ctcttttggg	aaaagatctg	cctgggatac	ttttgcattc	60
ctactttccc	aacaaaaaca	gccataggca	aaccagaaat	aattaacgcc	gtcattgagt	120
ttggtccaga	ggcccacaag	aaatnckact	ttcakcktak	ttwaggtcac	taggccccat	180
tgagccagca	tgacctgccg	gcaagcacc	agagc			215

<210> 31601

<211> 278

<212> DNA

<213> Homo sapiens

<400> 31601

tcaactttat	ttcacagaat	tttctcattc	ttttgtacc	tacatagaat	ttcactttat	60
aatatacaaa	agatctttta	gcaagccctt	attgatactc	atgtggattg	ttttctgtct	120
ttaggtatta	aaatgctgta	ttcaataatt	tkggggacat	atatgtcatt	tcacatatat	180
acagatgtgt	atcaggtgta	cattccaaaa	gtgcactgct	gagttagagg	tatatgtatt	240
tgtaattttg	atggaagctt	taccaattta	cagtcccc			278

<210> 31602

<211> 353

<212> DNA

<213> Homo sapiens

<400> 31602

tgacagtttt	taatgcagag	atgcctagaa	agaagctacc	acccacatg	ccaatcctcc	60
aagcaggcct	tgtacccagc	catgggcgaa	agggctgtac	tgagaaccac	caaatcctgg	120
cctagccsag	aatgggtggc	ggtgttttcc	aggtaccttg	gtattcaaaa	aagccttaga	180
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tctataacca	atacaatgtt	taaaatgacc	cgtcccatc	gggaagggcc	gcgcaggcct	300
aatggcccct	ctgcacattt	cctcttgggc	aaggcccaac	acaagtgcac	mhk	353

<210> 31603

<211> 248

004220" 066E7560

<212> DNA

<213> Homo sapiens

<400> 31603

aaaagtatat	ggcggacaca	cagataatat	ttattatata	tttttatata	ccttatgtat	60
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gtggctcgct	attttctcgg	gttaggggtca	gattgtttat	gtggcctgtg	ttgcccttca	180
tgtcctggcc	cctgctcgcc	tccctccct	gagcaacca	cggaccctgtg	gctgcctctc	240
cccttcat						248

<210> 31604

<211> 137

<212> DNA

<213> Homo sapiens

<400> 31604

ctccctggtg	agcagagggg	cggccacggc	gggcggtggc	ctagagacc	aggacctggg	60
cgcctgggaa	aatggaatgc	aaccacatt	gtaaagccac	tggcatctga	ttatctccat	120
ttgaacacac	aacacaa					137

<210> 31605

<211> 267

<212> DNA

<213> Homo sapiens

<400> 31605

ttaaaaataa	gaaaaaatgt	aaatgtataa	tagaccaaaa	attgttctat	ttttgtcctt	60
ggggcagtga	tgtaaataca	tctcatatct	atgagacatt	gctagttata	aggaatatct	120
atgktctcct	tttcttctta	ggcacatagc	agtcagttct	gaataattga	ttgtgagctg	180
aaatagtcac	ttttagggct	cnccatttaa	gcctccatct	gaatacacag	gataacaaag	240
gcttagaggr	gaagggrgcc	acaatat				267

<210> 31606

<211> 313

<212> DNA

<213> Homo sapiens

<400> 31606

tagaagcaag	tataggtata	acgtggacta	tcaactgata	tctgcaaata	atttggttaa	60
aatgaaattt	gattgtagta	ttgttgctg	taggattata	aatgtcaaata	atcattgtaa	120
acatttckta	tattttttaga	aatatcttgg	gtggcctgaa	acagaagtga	ggaaatcaat	180
tttttaaggt	gagccatttg	gcttttttaa	aaaattgaga	ttcaacttac	ataccataaa	240
gttactctt	ctaaagtgt	caattcattg	gtgttagtat	atttacagag	ttgtacaact	300
attaccacta	aat					313

<210> 31607

<211> 192

<212> DNA

<213> Homo sapiens

<400> 31607

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atgcaaagg	atataaccac	tttggaagac	agtttgatgg	cttcttacia	aactaaatgt	120
acycctwaca	kgatccagca	atccttctcc	ttggtattta	cccaaagaaa	ctgaaaactt	180

atgtccacac aa

192

<210> 31608

<211> 226

<212> DNA

<213> Homo sapiens

<400> 31608

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gtataatggc	atccaaaaga	atcttanagt	acctcgggtt	atagggattt	acaattcagt	120
agraamcttg	twattcatgt	gaaacagtga	acataatatc	taatgatgtg	gagcaagtac	180
attaaaaaca	ggaaggaaga	gatctgtgat	taaactaaag	gcccg		226

<210> 31609

<211> 161

<212> DNA

<213> Homo sapiens

<400> 31609

acatatgttc	acacatttct	tttaggaatc	tacattgcag	tgaaattaat	gagtcattgg	60
atatgcctat	aattaatttt	attggatatt	tcagttttcc	aaatctcagc	tcttatktkt	120
aaattgvcta	kkaaataattt	aattgtatta	atacccccta	c		161

<210> 31610

<211> 122

<212> DNA

<213> Homo sapiens

<400> 31610

antcctcctt	tgctgatcct	gggtcacact	tcaccagcca	gggcttttga	cggawacagc	60
aaggaagaga	vagagaatgt	aaggaaggga	ggaaggaagg	aaggaggagg	ggtaggaagg	120
ga						122

<210> 31611

<211> 491

<212> DNA

<213> Homo sapiens

<400> 31611

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agtaattaaa	tatttgaaaa	ttgcwagaag	ccttcagata	gtttatacat	tttgggtgctt	180
gcatagatgc	ttttgtaact	ctttacaggc	ttaatatatg	ttttagtgtt	ttaagaaata	240
ctaacttctg	ggtacttttg	ggatgaaatt	tttcattatg	tcgtttggga	ttgagaacat	300
ttaccatcac	taagtcatat	ttatatacct	ctgctaggty	tttgtaagty	atacttggtg	360
cttgaatttg	tttatttttg	tgtttaaaga	acatgggttg	tgcgggagag	gtggatgaag	420
acttgaagt	tgaaaccaag	gaagaatgtg	aaaaatatgg	caaagttgga	aaatgtgtga	480
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<210> 31612

<211> 313

<212> DNA

<213> Homo sapiens

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 ttttgaataa gtaatamcat ybtacatggc ttaaaactga aaaacgtatt cctgttactt 180
 cttgatgctt ttgagaaatg aataatgttt tctccctttt aaatggtagt acagcatgca 240
 cacttttctg tgcttgcttt tttatctcat agtatcttgt ggagctgttt tcttaacagt 300
 cccttctccc caa 313

<210> 31613
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 31613
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 cagccccgca tttgaggcag atgctaagat gatggtaaata acagtgtgtg gcatcgaatg 120
 ccagaaagaa ctcccaaact ccagccttt ctgaattgga ggattatctt tcctatgagt 180
 g 181

<210> 31614
 <211> 492
 <212> DNA
 <213> Homo sapiens

<400> 31614
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 tcgcttcaact tttaccctga cacgtataaa tgactaggaa tgaccttcag atagckttag 360
 caackgtaac caatctgrca ataagtgtt catcaggtac ctgtggatta aatcacatac 420
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 <212> DNA
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<400> 31615
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 aatgccgtta ttgggtttta gtwmctcatt ttaataccta gatttgtact ttgaattttc 180
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 aaaaaaagag ccacgtc 257

<210> 31616
 <211> 184
 <212> DNA
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<400> 31616
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atatttatga agagcctatt agcagcatag acttgattta aagaacttct ccagtttatg 120
 aatacagttc atctcttggt gaatagaattt agcactttaa tgctatttat ttactccaca 180
 cttt 184

<210> 31617
 <211> 415
 <212> DNA
 <213> Homo sapiens

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 actttgggag gccaggcgcg gaggatcgct tgagcctggg agttcggcct tggcaacata 180
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<210> 31618
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 <212> DNA
 <213> Homo sapiens

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 gactgcattt ctcaacttcc cttggagcta tgtgtggcca catcactaag tcttgccga 180
 taggatatat gcaaaagtgt caactatcca cttccatgaa tctccttaaa agatagtgt 240
 gtcctttgcc cttcctcttc atcctctctc tagttgctgc cttaaataagg gcatggtggg 300
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<210> 31619
 <211> 205
 <212> DNA
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 tcagaccagg gatcgtcag gccctgtca cntgtgggcc cggggaccac ttgggggagg 180
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<210> 31620
 <211> 235
 <212> DNA
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<400> 31620
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 agcctggcct tcaactctgg aattcaagtg attctcctgt ctcagcctcc caagtagttg 180
 ggactgcagg ttgcacaagt acacctggct ctgatttatt attgaagact ccagt 235

<210> 31621
<211> 478
<212> DNA
<213> Homo sapiens

<400> 31621
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atccagtgcc ctttgatagt ggactttgtc tcaactctca gtaatatctc ctgcctctcc 180
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catttctgtg tgcctttaac ctttagttgc ctctgcctaa gatttttctt ctcatttttt 300
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<210> 31622
<211> 174
<212> DNA
<213> Homo sapiens

<400> 31622
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cacacatgga cataaatatg ggattaatag acgctgtgga ctactagagg ggga 174

<210> 31623
<211> 191
<212> DNA
<213> Homo sapiens

<400> 31623
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ggtcagggag aaagattttc ccatagagcc tcctgaaagg aatgtagctc agatggcacc 120
ttgattttta gccctgtgag atcgatctca gatttctaac ctacagaatg ggggaacaga 180
gttttttttt t 191

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<211> 126
<212> DNA
<213> Homo sapiens

<400> 31624
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tccct 126

<210> 31625
<211> 232
<212> DNA
<213> Homo sapiens

<400> 31625
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gagcaacgcg castgctccc tccctccgtg tccctcggcc accgcccttc actgctcct 120

tccgtgtgrt gamagcccg tkgttctcct gtctatgtga khctgggcat gcgaccacgc 180
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<210> 31626
<211> 281
<212> DNA
<213> Homo sapiens

<400> 31626
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ttaagtadt cttaaaaaaa bmtatttttt tctggatcaa attttagaat gcttcttttg 180
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ccccacatac atagtctgta gtttaagtcc tttttttttt t 281

<210> 31627
<211> 102
<212> DNA
<213> Homo sapiens

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aatgtagaat taaacagata cgtaattaat tcctacacac ac 102

<210> 31628
<211> 276
<212> DNA
<213> Homo sapiens

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tttttaaaag aggcmaawty cacrttacet ttttaaaaaa tctaccagat ctaccaatta 180
aggtgaacta ttatagcagg gaagtgttta gctagagaaa aagagaattt tatttagtat 240
cccaggagta atgatttgaa gaaatatatc gtgcga 276

<210> 31629
<211> 268
<212> DNA
<213> Homo sapiens

<400> 31629
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cccttgtaga gcttttccct ttagcctggg acagaaggac ctcccagccc ccaaaggatc 180
tcccagtgc caaaggatgc gaagagtgat agttacgtgc tcctgactga tcacaccgca 240
gacatttaga tttttatacc caagccac 268

<210> 31630
<211> 331
<212> DNA
<213> Homo sapiens

<400> 31630

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ataatgaaaa	atctagatca	attcttcaat	ttgattgaac	tggtcagcct	tttcaagatt	120
tctttattta	caaatgatta	cattttwaatt	gawtgtacat	tcttctcact	gactttgggtg	180
atthttgaaac	ctagaatgat	gtgttttctat	ctgtaatatc	tttccatttg	aaaaaaatct	240
caaaacacag	attaaaacca	ataggtctga	gtatttttta	ttttgggagc	cagagtatga	300
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<210> 31631

<211> 235

<212> DNA

<213> Homo sapiens

<400> 31631

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tgctctgctt	aaaaaatcat	ttgagcagcc	gacagtgtctg	acagtgccac	tatgtgggca	120
gaagcacagc	ttgactcaga	ccctgacaac	tggtgatctg	ggagagggaa	agagaagact	180
gtttaaaacc	tgttgagaag	gtactgatga	catggagatt	aatttgacac	cagtc	235

<210> 31632

<211> 116

<212> DNA

<213> Homo sapiens

<400> 31632

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ggaaagctgc	tttgttttat	taggaacgac	ttgatgtcac	atttggaagg	cagtgcc	116

<210> 31633

<211> 306

<212> DNA

<213> Homo sapiens

<400> 31633

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cccaagtttc	tttttccctg	gaaaataaaa	aaggtaatag	aacttgtagt	ttattttaa	120
cccatgtcat	gaggaggtag	tagttccaag	caacaaactc	cttaatttgc	tctaatagat	180
aggtatgggt	taatctttcc	attgtgtctt	ttcatTTaat	tttctgaag	cttgaggat	240
agattgaaat	gttatagggt	tgtttgaggt	aaccaaacag	tatgcaaatt	aagaaaaagc	300
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<210> 31634

<211> 442

<212> DNA

<213> Homo sapiens

<400> 31634

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tggtttttaa	aaagcattat	ccttttatct	cacaaataag	taatatcttt	cagttattaa	180
atgatagata	atgccttttt	ggttttgtgt	ggatttcaac	taatacatgg	tttaaagtca	240
cagccgtttg	aatatatttt	atcttggtag	tacattttct	cccttaggaa	tatacatagt	300
ckwtgtttac	atgagttcaa	atacttttgg	gatgttacct	tcacatgtcc	tattactgat	360
gtgtgcaacc	ttttatgtgt	tgatgactca	ctcataaagg	tttttgtcta	ctgtcatttg	420
ttctttccac	ttattctaag	ca				442

<210> 31635
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 31635
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 tttggtggaa ctggctgtcc acagcctcca aagatgtctt gatgctacga agagtggaat 120
 ttgctcagat ttccaaaaaa aaaaagtt 148

<210> 31636
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 31636
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 catagcagta actttaagag ggcattgtgc aatagttagt tgttttcttg ttcagctatt 180
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 tagagttatt atattctgtt atgtttgacc agaattatat gacaagaact ggtgacagtt 300
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 gaatttcaat accttaattc agtgcacact 450

<210> 31637
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 31637
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 caggctgcag cctcaggcac tggcaggggc tggcgcgccc ccactcccct cccccgtccc 120
 catttgtgcc catccgt 137

<210> 31638
 <211> 488
 <212> DNA
 <213> Homo sapiens

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 ctggccaatg tacatcttac atgtattgat tgatatttca tgtctcccta aaatgtataa 180
 aaccaagctg tgccccaacc accttaggca catgtgtcag gacctcctaa gtctgtgtca 240
 tgggcacacc cttaaccttg gcaaaaataa gcttttctaaa ttaattgaat nctgtttctg 300
 atatttgggg ttcacaatgg gttgctactt acactgattt gattattata caatgtataa 360
 atgaaagtac aattatgtat caatttaaac attttttaaa acacttctaa tgtgtagatt 420
 aacttcttca tttatatatt dntatgaact tcagcaaaat agcaaaaagta accatcttga 480
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<210> 31639
 <211> 322

<212> DNA
<213> Homo sapiens

<400> 31639

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aagaaaatga actattcttg aatacccttg aatacccttc acctgtaata ctaaggatga	120
agaccagaga awcacattga ggcagatata atatacatat ccattttctc tcttactcta	180
taatgctgcc tgatgtagtt tgaaagtatc ctcataatct aaaagagggg aagtagcctc	240
atggagtga atcctggtac tcctagaaaa ttatgacagc acttgtgtgt gtgtgtgtgt	300
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<210> 31640

<211> 211

<212> DNA

<213> Homo sapiens

<400> 31640

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agcattgcat taaatatgga atatcttctt acggaatata ttcttcctta aattttaaca	120
atgtggctaa gtttagttga tgagcctcaa atattaataa tctataatca ttcattcttct	180
atttaactag taaaaatctt tggccctcca t	211

<210> 31641

<211> 113

<212> DNA

<213> Homo sapiens

<400> 31641

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<210> 31642

<211> 277

<212> DNA

<213> Homo sapiens

<400> 31642

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ttctacttgg tgattgaatc atgacagtcc tcattccaat ctctctttaa ttctctctgg	180
ccctgcccac actctgtatt tgaaaatctt gtttttgctc tttccggagc ttcaccctc	240
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<210> 31643

<211> 67

<212> DNA

<213> Homo sapiens

<400> 31643

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aagggtt	67

<210> 31644

<211> 103

<212> DNA
<213> Homo sapiens

<400> 31644

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<210> 31645

<211> 333

<212> DNA

<213> Homo sapiens

<400> 31645

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ggcttagtaa tttgcttaag gttaagcagg tggcagaact ggaatccaga tccatgttta 300
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<210> 31646

<211> 108

<212> DNA

<213> Homo sapiens

<400> 31646

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<210> 31647

<211> 250

<212> DNA

<213> Homo sapiens

<400> 31647

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aatgtaaaa tctgatcatg tctactccca tatttttatt cttaaacaag tttgtgggaa 180
agtttgtaag tttctgaaaa aaaaagaaaa aggaagggga ccatgttgat tttgtccttt 240
ctagtccata 250

<210> 31648

<211> 444

<212> DNA

<213> Homo sapiens

<400> 31648

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444

<210> 31649

<211> 476

<212> DNA

<213> Homo sapiens

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tgctatggag	atgctgccta	tatgttgatg	ttgcagacgt	taagtcacta	gcccacagcc	360
ttgtattcca	tactcagaga	mcctgctact	tacttgacat	ctcaacttga	aagtcgaatt	420
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<210> 31650

<211> 324

<212> DNA

<213> Homo sapiens

<400> 31650

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gsctkgtaat	cccagcactt	tgggaggcca	aggcggtg	accacctgag	gtcaggagtt	180
tgagaccagc	ctggccaaca	cggtaaatct	cgactctact	aaaagtacaa	aaattagcca	240
ggcatggtgg	cagatacctg	taatcttagc	tattcaggca	gctgaggcag	gagaatatct	300
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<210> 31651

<211> 387

<212> DNA

<213> Homo sapiens

<400> 31651

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ktaaccagca	tttgataaat	gtatgaaata	gcagtttccc	taccccaacc	aaccttccat	180
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aaaattttatt	agtatatgaa	ggaaaaaaat	taatcgtttt	acctttaatt	naactttgtt	300
aggaagtaaa	aattacccat	adnrgataat	tcttggccag	gaatggtggc	ttatccctgt	360
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<210> 31652

<211> 353

<212> DNA

<213> Homo sapiens

<400> 31652

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aaagtkgctw	aatgkgcaat	atcttatgta	atcttccata	cgacctgtt	agctccattt	180
gcagttaaga	aactaagttg	agaracttaa	agtaatttga	ccaagctatt	actcagctat	240

cctgcaccaa atacatacat ttgtctggct ctgaagccta cactattacc ctttaagcag 300
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<210> 31653
<211> 366
<212> DNA
<213> Homo sapiens

<400> 31653
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gttacctgat tagagtgaag atttttacaa tcatattatt ccttgtgtct tctgaatgg 240
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acacct 366

<210> 31654
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<212> DNA
<213> Homo sapiens

<400> 31654
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ggttctttctc atgaaggag ttgaatttta tcaaattgctt tttcagcatc aattgagatg 180
atcatatggg ttttgtcttc attctgttga tatgatgtat cacattgatt tatttccata 240
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<210> 31655
<211> 216
<212> DNA
<213> Homo sapiens

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tgtaatacaa agcttcccc aagaggctta atcaaaatat tagctgtata cacaaagatg 180
gattttttag acccaagttc ttaattctgc tgtgct 216

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<211> 210
<212> DNA
<213> Homo sapiens

<400> 31656
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gtgtkggrat tatcagcaga tttagactttg tacaagaaaa gattcatgaa cctgccaaca 180
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<210> 31657
<211> 226
<212> DNA

<213> Homo sapiens

<400> 31657

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aaaaaaaagc	atttagttca	gttgacagag	ctggaagtga	tgctatatcc	cgtctatcca	180
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<210> 31658

<211> 228

<212> DNA

<213> Homo sapiens

<400> 31658

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gaaaaagtga	gctactacaa	ggamctggtg	gagactgaat	tactagggaa	gaaaattggg	180
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<210> 31659

<211> 147

<212> DNA

<213> Homo sapiens

<400> 31659

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actttcatgc	taaggagcat	gcagtatata	ttgtatatatt	tatctaaca	acagataaaa	120
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<211> 72

<212> DNA

<213> Homo sapiens

<400> 31660

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<210> 31661

<211> 357

<212> DNA

<213> Homo sapiens

<400> 31661

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cagaaaatac	atggcttcct	gcgggctgca	gcctaatagcc	cacgttcctc	tcggggcaga	180
ccgaagtatt	tcaaccaggg	caaaggacag	ccttgcaaac	caactacgtc	ctccttctgg	240
agtttggtg	acccttgcc	cctgagccca	cacctctctg	gagcgggggt	ccaactccgt	300
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<210> 31662

<211> 118

<212> DNA

<213> Homo sapiens

<400> 31662

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ggggaggggt cattggaatg atgcggggcg tacttggcat tgtccattgt gaggcacc 118

<210> 31663

<211> 134

<212> DNA

<213> Homo sapiens

<400> 31663

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gctgaggcgg atggaacacg aggtcaggag ttcaagacca gcctggccaa gatggtgaaa 120
ccccatctct acta 134

<210> 31664

<211> 324

<212> DNA

<213> Homo sapiens

<400> 31664

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cacagatgga atgcatagt taacaagctt ttgtgtatct gcaaaagctt ctgcagttac 180
caccacatgn ccagtcttga caacatgcac ctctacgcaa attattctaa atacctgaat 240
taattaattt aatcctcaaa acaatctacg aagcaggcac tataataagc cccgttttac 300
agaaggagaa atgagacac aaca 324

<210> 31665

<211> 112

<212> DNA

<213> Homo sapiens

<400> 31665

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<210> 31666

<211> 437

<212> DNA

<213> Homo sapiens

<400> 31666

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tagggtacat tttttaaaag acttcctac atacttttaw ttctckttak taatatagta 180
gatagcaaga atagaaatgt gggtttatga attgacatgt tcttaatcat ataaaaatca 240
aattccttgc ccaaatacct tctattagaa gggacatttt gaggaataaa gttttaatat 300
atgaaaactt atgaacannn tacaataatt actaatattc atttacttgg atcactgraa 360
atacctctaa agtacaatat agagagattt taattttaaat aatattccag aaaagcttac 420
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<210> 31667

<211> 244
 <212> DNA
 <213> Homo sapiens

<400> 31667
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 gaggcagggg agtaccgagg gcagtcaagc ctcccctggg gttgggtcct gggactagat 180
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 gcca 244

<210> 31668
 <211> 357
 <212> DNA
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<400> 31668
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 cctctgttct ccctgctaac tctattatta taaascacca gggggataga aaattgacga 180
 gaattgaaat gctcagcagg attccttggc ccattcaatt ctttgctggc tcaaaacagt 240
 gctagcaaga attgctgtgg agagtgacta gcagtcatac actcacacca tgctgaattt 300
 ctcactgatg gtcagttaat ctatatgttt ggaatatagt tctggaatgg atgatag 357

<210> 31669
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 31669
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 tagcaagaag cgtaatggac ttggggcatt gagtatgaca gcctggcaga tgrnggattc 180
 acttgagggt catggtcatg aatttaaggt gagagaccag tcagcatgnt tgcattgttt 240
 gcttccacaa agttccactg taatcttgta gagga 275

<210> 31670
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 31670
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 acaaaaaatgg gataaaggcc aggcattggtg gctcacgcct gtaacccaat gctttgggag 180
 gctgaggcgg gcggatagtg aggtcaggag attgagacca tcgtgggcaa catggtgaaa 240
 ctggtttcta ctgaaaatag aaaaattagc tgggcgtggt ggtgcatgcc tgtagtccca 300
 gctactcagg aggcctgaggc aggagaattg cttgaacctg ggaggc 346

<210> 31671
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 31671
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cgtggactcg mtcactcac acaacatacg a 91

<210> 31672
<211> 98
<212> DNA
<213> Homo sapiens

<400> 31672
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tcacgagatg ctggactgga gattggcaag tgcaccaa 98

<210> 31673
<211> 383
<212> DNA
<213> Homo sapiens

<400> 31673
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aggggtataa agtgaaagat ttcatttctt ccattccaag tttttagaag taaccactgc 120
tgatagtttt ttgtatccta gaaatttcct aatcataaac gaattgaatt atatgtattg 180
cattgtaact tgctcttttc actttattat agtaccttat attttacaat atcagcatat 240
tttaaagcag catatacatt gtatttataa atctaatac ccccatggct tttagaaatg 300
caaaaatttt atttaaaact catatatgta tatgtatgtg acttagtggt ttttcttcca 360
ggaaaagtgg tattatataa tta 383

<210> 31674
<211> 429
<212> DNA
<213> Homo sapiens

<400> 31674
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aattaaaata atgtgtgcaa gctcaatata ggaaaccatt gttaccatat atcattatga 120
tgtgtttttt tttctgtgta tatctgtgtg agaattacca ccttgatcac attgttttaa 180
acatttttgt ttacttgtct ttgatccttg aaggcagaga tgatctttat aggccttatt 240
gatctctata tcctcaacat ttaacacacc aaatagcata taatgggtaa ttgggtgaatg 300
cttgggtgaat gcttagtgaa tgaatgcagg gagaaatgtc taataggaaa taggracacd 360
ttactcttta ggrccagtca aagctggtga taaaagagtt gaaacctgag ctgctagagt 420
atagaaaaa 429

<210> 31675
<211> 245
<212> DNA
<213> Homo sapiens

<400> 31675
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tgaattatgt ggtgctttta tttttaatga tttgaggaac ttctgtactg tttttcatag 180
tgactgtact aattgacatt cccaccagtg gtgtacaagg gccccctttt ctctacaccc 240
tcccc 245

<210> 31676
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 31676
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 caaaataatg tcaccctaaa attttctatc tagcaaaact aagcttcata aatgaaagga 180
 agataaagtc ttcttcaaaa acaaatcctg acagaatttg ccaccccca acaagcacta 240
 ca 242

<210> 31677
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 31677
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 ggggaggaca agggcaagga tgaccctgcc tctagttagc tccaagacac ttctgatatc 120
 ttttaacaaa gtcaggggct gatcacagcg gtccagcaag ttcaggcagc tgatgacatc 180
 atactggaac cccgcc 196

<210> 31678
 <211> 468
 <212> DNA
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<400> 31678
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 ctcttaagat ttgagaggaa cctttctggt tggaaatcca ggagagggga cgctgggctg 180
 ggggggttct cggatttggg cttctgggtt tgggggctgt gagagggctg gtccgaggaa 240
 ggacctcaga gaggggtgag ctgagaaggg ggctctaaag aaggaagact taagatcctg 300
 ggggagctct cgggctcgtg gtgggtgggt gtctatgaca gggagattcc tagacttcga 360
 gaagtggagt tgaagagtga cgcctcctgg gtttgggggt gctcccggga tcttaagtgg 420
 ggatgggtaa tgaggtctcg aggagatgct tttgattgta gctggggc 468

<210> 31679
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 31679
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 gctctctgtc tacatttttag attctatcct tagaatggat ttctaggagg aaaatcaatg 180
 attattttct tgtagactct tgagttatct tatttttcta ataattagct ggtctgtaat 240
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<210> 31680
 <211> 109

<212> DNA
<213> Homo sapiens

<400> 31680
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aactatgttc ttgatactt taccctaact aacctttttt ttttttccc 109

<210> 31681
<211> 266
<212> DNA
<213> Homo sapiens

<400> 31681
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accattttata cttacyaata wtaacktgrr atatttaggt ttgttttcaa tttatcccat 180
ctgttttatg ttcttttttc tgtttttattt tgtttttttg taggattaat taagtatttt 240
aaattatttt aattttccag cccgga 266

<210> 31682
<211> 477
<212> DNA
<213> Homo sapiens

<400> 31682
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agaagaaaaa tycggaggaa tacattgtct gactgtcgcc gtggacaagt gttcccggtc 180
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aggaaatgtc aaggtgagaa aacaggctga gagaagttgg aagaaacaca ggagcagggg 300
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mtgggaaatc caagaggcct gttttcacct gcacagcatt tctacctgcc catgaaaggc 420
agacttatgc actttgatgt caaagaccaa ccagaaagggt aacttttagag atgctca 477

<210> 31683
<211> 462
<212> DNA
<213> Homo sapiens

<400> 31683
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tataaatcaw tartggtgda ttkgttaaca taatttagaa ttacatata ctatgtgtat 180
ttgccttccc aggatttttc cctgcctttt atattccctg ttctttccct ttttgcttac 240
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caacacaact gtgtaagtga agttactaat atattctgat tatggattgg aaactchcac 360
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gaggattaca ctagaatgca ttttttaatc taaatagaaa ac 462

<210> 31684
<211> 368
<212> DNA
<213> Homo sapiens

<400> 31684

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aatctgrarc	tgramctgna	argaracccg	agacatgaaa	aaaagaratt	caaaagatct	180
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agaggatgat	tgaaagaaac	acaattagaa	atgacaaagg	gaatgttacc	actgacccca	300
cagaaatagr	aacagccatc	agaaactact	gcaaacactt	ctatgcatac	aaactagraa	360
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<210> 31685

<211> 291

<212> DNA

<213> Homo sapiens

<400> 31685

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accccawgsa	cawtamccat	kgggyctcaa	caaactcttt	ktkttgtk	tggtttkgtt	180
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<210> 31686

<211> 167

<212> DNA

<213> Homo sapiens

<400> 31686

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<210> 31687

<211> 122

<212> DNA

<213> Homo sapiens

<400> 31687

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<210> 31688

<211> 421

<212> DNA

<213> Homo sapiens

<400> 31688

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tgvcctatgkt	gccaatcykg	atgggctgct	tgsvacatg	agggatcttc	ttcaatacat	180
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001220" 066E750

t 421

<210> 31689
<211> 235
<212> DNA
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<400> 31689
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tagtgccaat taaaaagccg taacggaaat agggcaaaaa aattttttta atgaatgttc 180
attaccataa acgtagtggc aacacaaaaat ttattgtcat acagttgtgg agcat 235

<210> 31690
<211> 180
<212> DNA
<213> Homo sapiens

<400> 31690
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taaacgggtca gtgtccagtt gaaggcagaa cactaatcag atttcaaggc ccacaacttg 120
gggactagrm caacyttaak gttrraggga actctgrcca cctgcgtgca acccacaggc 180

<210> 31691
<211> 75
<212> DNA
<213> Homo sapiens

<400> 31691
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tgcttctcgc gctgt 75

<210> 31692
<211> 413
<212> DNA
<213> Homo sapiens

<400> 31692
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gtggcaaagg tgcatacttc ctcagacaca ggtgagaaga tgcagcacct tccacaggtk 120
gattgggacg rattcgaagt gagcaaaggg attcacaat tatgtattta tttgttttca 180
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gcactgtggt atgaagcgca ttgcatttcc atagcactga agtaccagtt tccattcctg 360
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<210> 31693
<211> 305
<212> DNA
<213> Homo sapiens

<400> 31693
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tccaaawacy	ttggaatctg	tactagtgcc	agataaacag	ggagacaatg	gagccttccc	180
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<210> 31694
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 <212> DNA
 <213> Homo sapiens

<400> 31694						
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csggccccat	ttttacagat	gaggtcttag	ctctgagtc	cattcattct	cagaacagga	180
gctttcttat	tccacaaccc	gagctcctgc	cactgactcc	tcaggctctg	tttctgcacc	240
agaaactccc	agctcaacga	aaaagggtgt	agcctcttcc	tgtagggctc	ttaatattat	300
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<210> 31695
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 <212> DNA
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<400> 31695						
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<210> 31696
 <211> 253
 <212> DNA
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<400> 31696						
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raaggscta	cctctaaaaa	agtaacaggt	catacrrata	caaataaac	tgtaaaaaatt	180
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ttaaccagca	acg					253

<210> 31697
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 31697						
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acargtaatt	ggwataatg	agtgtcagct	catttgtgtg	gactccaccc	ttccccaggc	180
ttccttggtc	ctttctttct	gacacaagag	atgagagcta	gacctgttgg	aaactttttac	240
aaatctctct	atcccgcctc	caccctta				268

<210> 31698

<211> 407
 <212> DNA
 <213> Homo sapiens

<400> 31698
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 yttkggraag ccaagggcgg ggtggaacac ttgagcttag aagtttgagg ccagttttga 180
 caacatggca aaacctcctg tctacaaaaa aaagaaatca taacaaaaat tagccgggca 240
 tgggtgatacg tgcctttggg ctcagctact caggaggctt gaggtgggag gatcacttga 300
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 cagagcgaga ccctgtctca acaaaaacct aaacaaaaca gaggatg 407

<210> 31699
 <211> 187
 <212> DNA
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<400> 31699
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 agattcg 187

<210> 31700
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 31700
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 tcgaacctct tggcctcaag tgatctgcct gcctcggcct cttaaagtgc tgggattaca 180
 ggcgtgcgcc accttgcccta gccagaatgv nttgaaatTT taagtggggt 230

<210> 31701
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 31701
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 aawbcaacta taaatattac ataatgcctt ttagttaaag aaaattaaaa caacggaagg 180
 aggaaatTTT ctgcagggac tttcttgtaa ccccttgga gaaaacattc tctcttcct 240
 ttctgtcttg ctcatggcca ga 262

<210> 31702
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 31702
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aagktkgaac tctgatagga gtatttttta aaaataattt agttcctttg tacttgtttt 180
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<210> 31703
<211> 189
<212> DNA
<213> Homo sapiens

<400> 31703
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agtgcagtgg tgtgatctcg gctcactgca accaccacct cccaggttca agcaattctt 180
ctgcctcct 189

<210> 31704
<211> 352
<212> DNA
<213> Homo sapiens

<400> 31704
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ctcagktckg attcaaggat tagtcagcct tagcatactt taagtacttc attattatta 180
ttactactgc tagtactgcc caaaggccag aatccgtgga gccttaaaga cgcgaactca 240
aactgttttt gggttaaata tctttgtctc agtcatggga gtgggtgtaca aatactccaa 300
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<210> 31705
<211> 274
<212> DNA
<213> Homo sapiens

<400> 31705
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atatttataa accatgttcc agcatactag ataatagtag catactatat ttatttccat 180
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gtcatctcag ggtcatggca tataccaaca gatc 274

<210> 31706
<211> 326
<212> DNA
<213> Homo sapiens

<400> 31706
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acaaacatgg ccaacttttc ttaccgcttc tccatataca acttgaatgg taagatgtaa 180
ttggaaataa aatgtaaaat agtatgctaa gtcacacaat gtaggagcag tacaactgca 240
attcccaata taaaaactcg atataaaagc tacatgcata acttgaccaa gttcttaaata 300
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<210> 31707

<211> 177
<212> DNA
<213> Homo sapiens

<400> 31707
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<210> 31708
<211> 421
<212> DNA
<213> Homo sapiens

<400> 31708
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gggcgaggtg gctcacacct gtaatcccaa cactttggag gccgatgcag gtggatcacc 180
tgaggtcagg agtttgagac tagcctagcc aacatggtga aacccttct ctactaaaaa 240
tacaaaaatt agctggcatg gtggcgggtg cvtgtagtcg tagctacttg ggaggctgag 300
gcaggagaat gacttgaacc caggaggtgg aggttgacgt garncaagat tgcgctgctg 360
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g 421

<210> 31709
<211> 229
<212> DNA
<213> Homo sapiens

<400> 31709
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gttgactaga aactcatcta aataagggtt acttctaact ttggtgttta aatagctttg 180
ggggaaaatg tgcttaacta adtgtttttt tcttaaagta aggcagtga 229

<210> 31710
<211> 146
<212> DNA
<213> Homo sapiens

<400> 31710
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gktttttggt atctctgacc tagcgt 146

<210> 31711
<211> 252
<212> DNA
<213> Homo sapiens

<400> 31711
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gtttggcttt ctggattttt gtccagagtc gctaattgat cccccacaat ggcagttgat 120
gacagcaatt tatattccag aacgaagaac aaactaaatt catctcaaaa tgattataaa 180

tcattcaagaa ggagtagcct gccacctgaa ctactcatag gaaatgacat tagaggaaga 240
cttcaaagaa ac 252

<210> 31712
<211> 239
<212> DNA
<213> Homo sapiens

<400> 31712
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gagagccgtc caatagaaac ataaggacat ctgagtttgg atgttacctt tttattggaa 120
atatgggata tgcacttaga tttcactgaa tttacattga aaagagacaa agtctcacta 180
tggttgcctcag gctggtcttg aactcctggc ctcaagcgat cctcccacct cagcctctc 239

<210> 31713
<211> 248
<212> DNA
<213> Homo sapiens

<400> 31713
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ttacaaaatt agccaggtgt ggtggcacgt gcctgtaatc tcagcctccc aggtagctgg 120
tattacaagt gcatgccacc acaccagct aatttttcta ttttggtaga gacagagttt 180
ccctatgttg gccaggctgg tgacgaactc ctgacctcaa gtgatctacc tgcttcagcc 240
tccccact 248

<210> 31714
<211> 462
<212> DNA
<213> Homo sapiens

<400> 31714
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tcagactata acacatggaa aagataattg catttttctt tttttattat taaaaagaat 120
cttttgtatt actcaattcc tagaaagaat caggaaagta dwagtctaaa aagcagtgg 180
ttgaagaaaa acaggaagcc tgcaacagaa cgttttgtat aggtgaatga agattattag 240
ttaagctgag gatgctgtct ttttctgccc tagtagtcac aggcagagtg gacatgcctc 300
tgcataatcc tattttttta aaaaatattt twkattatac tttaacttcg gggatacatg 360
tgcagaacgt gcaggtttgt tacgtaggta tacacatgcc atagtggttt gytgcaccca 420
acaacccatc atctacatta ggtatttctc ctaatgctat cc 462

<210> 31715
<211> 443
<212> DNA
<213> Homo sapiens

<400> 31715
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gtaagaataa gccagaccta ctgatagcta cctgctaatt tatggaaatt aacatgttcc 180
aaataaacct gtctgttcta ttttgctgct gtacctacat ttgaacactt aaagtcatc 240
taaattggagc cgtgcctttc tcagtagtca gtgacagatt cacacatgtg tgggaacccc 300
gatcctgtgg taaataagag agccccttct aaaatctaaa atctctctgt acagacactt 360
tctagtttat aggttgtgat ataaaatttc atgtttcatt tatttggaac tctacatctt 420

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443

<210> 31716

<211> 231

<212> DNA

<213> Homo sapiens

<400> 31716

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cagcctgggg	agccgtttgg	gggcagcccc	ttctgcccac	cccatccttc	ttcctctcca	120
gagatgcccc	ggggggcggtg	tatgctctgc	cccttcacctc	agacaggggc	tgggtgggga	180
ggctcttttag	gctcaggaga	agcattttta	agaaaccccc	accctgcgcc	c	231

<210> 31717

<211> 419

<212> DNA

<213> Homo sapiens

<400> 31717

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aatcctctgt	tttcccagag	cacaggagga	agttctctga	agttccttta	tctgctttaa	180
gttcagactc	accaaataag	aaaacagtta	attctgggtgc	cttccatggg	ttttcattaa	240
ctgaagtcac	attgtaggaa	aaagaatgaa	gtctcttaac	ccacctggat	agatttttct	300
cacaaacct	tgtcttctct	gcaagcccag	tagactttgt	cccaggccat	ttatgtgatc	360
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<210> 31718

<211> 264

<212> DNA

<213> Homo sapiens

<400> 31718

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aatacctatt	tattggattt	ttataataaa	aaaacttttt	tttaatagac	acggggctct	120
gctatgtkac	ctaggettgt	cttgaactcc	taggttcaag	tgatcctccc	accttggcct	180
cccaaaatgc	cgatattact	ggcgtgagcc	cctgcactca	gccttattta	ttgtatcttt	240
atcacatagt	tttgtagaga	ccca				264

<210> 31719

<211> 359

<212> DNA

<213> Homo sapiens

<400> 31719

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caattaatag	ataaattcag	ttaatcatga	gtaccaaaaa	tttgctcvtga	aagttttcca	180
taactgggtca	ttaattatga	aatattttct	aattcaatta	aatataaaaa	gaatntgtaa	240
ttttaaatta	taataattta	catatacggt	aaaatcattt	tccaagttct	tttttctatt	300
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<210> 31720

<211> 459

<212> DNA
<213> Homo sapiens

<400> 31720
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tataaacaag aagctacatt ttgcccctta agatactact tacagtgtta tgacttgtat 180
acacatatat tggatatcaa ggggataaaa gccaatgtgt ctgttacatt tcctttcacg 240
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cattctcaat taaaaggtga gctaagcctc ctcggtgttt ctgattaaca gtaaataccta 360
aattcaaaact gttaaagtac atttttattt ttatgtctct ccttaactat gagacacatc 420
ttgttttact gaatttcttt caatattcca ggtgataga 459

<210> 31721
<211> 294
<212> DNA
<213> Homo sapiens

<400> 31721
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aaaaaaagct aaacgtggag cagccgatcg gggaccgaga aggggaatcg atgcaaggag 120
cacaataaaa caaaagctac ttcggaacaa acagcattta aaaatccacg actcaagata 180
actgaaacct aaaataaaac ctgctcatgc accatgggtt ttcaaactcg gtacccttca 240
tggattattt tatgctacat ctggctgctc cgctttgcac acacagggga gatt 294

<210> 31722
<211> 128
<212> DNA
<213> Homo sapiens

<400> 31722
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gagctccata taaggcagcg atctccatag aaacgtgtca gtttcaatag tagtgtcaaa 120
gtkacta 128

<210> 31723
<211> 354
<212> DNA
<213> Homo sapiens

<400> 31723
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aaactggaaa caaccctaaa tgccatttaa caggtaaatg aataaacaat gtggggtgct 120
gccacacaat ggaatamtcc tcagmaattd gaamckgcct gdwacatgca rcaaatggg 180
gtcagcacia agttacgatg ctggtcaaag gaatcgagtc ataaaagaaa catactgtgt 240
gactccatgt gtacaccttt ctagaacagg aaaactgtt ttatgatgaa agaaatctar 300
ccagtgggtg actctgggtt aaggtaacgt ggggcaggaa ttgactggct akrg 354

<210> 31724
<211> 326
<212> DNA
<213> Homo sapiens

<400> 31724

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ggctggaamc	ccsaagagca	tgatggacta	gaaccctaca	ggatggactg	aaacctgggt	180
ccattcttgt	tacctctgac	cttgggtgaca	agggaacctg	gcagaagctg	ggggccttca	240
tctaacacac	gctcatgtga	cccagctgct	gcttcacacc	agtgaggcaa	gtcagcagat	300
cagcactctg	tgtgctacac	agcagt				326

<210> 31725

<211> 412

<212> DNA

<213> Homo sapiens

<400> 31725

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agaggtacca	amcacaaatc	acagatgtan	wtataaattt	ctagtagcca	cattaaagaa	180
gtaaaaagaa	actggtgaaa	ttaattttta	caatataatt	tattaaccta	atattttcaa	240
atgatcattt	ctgtatgtaa	tttttacttt	ttttttgata	ttttactttt	ttggcattaa	300
gtatttgcct	aagaaaatct	ttatttctcc	tttgctcttg	aaggataatt	ttgcagggta	360
cagaaatcta	ggttgggccag	ttttttctct	taacactgta	aatattttgt	tt	412

<210> 31726

<211> 292

<212> DNA

<213> Homo sapiens

<400> 31726

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tgattgatta	tatcatcaag	tatttatatc	ttaaataagga	ggtaggattt	ctgtgttaag	120
actcytaatt	tgwaccctat	aattanagta	aaatgttttt	tafgagtatc	ccttgttttc	180
ccttcttaaa	ttgttatcaa	acaattttta	taatgaaatc	tatcttggaa	aattagaaag	240
aaaaatggca	aggtatttat	tgttctgttt	gccataattt	agaactcaca	ct	292

<210> 31727

<211> 51

<212> DNA

<213> Homo sapiens

<400> 31727

avtgacgaac	tgggtggagc	ccgccgccgc	tcacaattcc	acacaacata	c	51
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<210> 31728

<211> 125

<212> DNA

<213> Homo sapiens

<400> 31728

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gatactatct	tcatcttaatt	ctcctgtgga	gaatattgct	ttatttttta	ctagtttcag	120
gtcag						125

<210> 31729

<211> 347

<212> DNA

<213> Homo sapiens

<400> 31729

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gctcatgrwc	cttcccgcct	tggcctccca	aagtgtctggg	attacaggca	tgagccacca	180
cgcccagcca	gcttttaggt	ttttaaggta	tagaatcata	tcattccatga	agacagatag	240
tttcacttct	tctttgccta	tttggatgcc	ttttatttct	ttctcttgcc	tgattgctct	300
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<210> 31730

<211> 460

<212> DNA

<213> Homo sapiens

<400> 31730

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caaagamctt	ttgtwgagat	ggcctgcgca	gatacaaaca	aaaccacgaa	aagggaacctc	180
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cgcaagaccc	aaagctctga	agctgagtct	gagtgcagag	aggagacggg	aagaaaacgg	360
ggacagagag	ggcactccct	gttgggtggg	gcascacatt	cccgccgggc	tcamccagsc	420
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<210> 31731

<211> 309

<212> DNA

<213> Homo sapiens

<400> 31731

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tctgagggcy	ttttkggagc	ycgctatgct	taacctggag	atgattaagg	ccccgcttcc	180
tggcctccca	gcctctaatt	ccaaaagata	agggagaggc	tggcgtgtga	ccccgttttg	240
agtcaggtgg	acagaggggt	ggccascctt	ggaaccatgg	gtgcaatacg	gagtcagacc	300
tcaatacaa						309

<210> 31732

<211> 193

<212> DNA

<213> Homo sapiens

<400> 31732

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tgctgcgggc	cmagargtca	ctgtgawgga	ccccgccgct	gccctcgggc	ctcctcggcc	180
cctgcgcctt	ccc					193

<210> 31733

<211> 213

<212> DNA

<213> Homo sapiens

<400> 31733

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aagrtwtacr	ggattaakgt	ttwaawatac	acagtgagat	gattactaca	gtcaaacaaa	180
aaaacatatc	cattgccttc	cttagttacc	cat			213

<210> 31734

<211> 117

<212> DNA

<213> Homo sapiens

<400> 31734

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<210> 31735

<211> 56

<212> DNA

<213> Homo sapiens

<400> 31735

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<210> 31736

<211> 201

<212> DNA

<213> Homo sapiens

<400> 31736

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gaaaaaaaa	mccagtcac	ttaattgggtg	tgcaaaagca	tttggtgaaa	taagcagcct	180
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<210> 31737

<211> 270

<212> DNA

<213> Homo sapiens

<400> 31737

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gcgaataagc	aggggcctgg	gtcatcyaat	ttgggtccck	ggcctraaag	cattkgactg	180
ctcatctcac	atcccttctt	tgccctcagt	cgttagatat	taggtctact	gtggttgaat	240
gagactgtct	acaaaagggt	tccagtgcc				270

<210> 31738

<211> 398

<212> DNA

<213> Homo sapiens

<400> 31738

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aactttgttt	aatcttccta	aatttagawt	aaggagsccm	attyckgatc	ttggmcttgg	180
catcagtata	ttttgtaagg	caggatgaac	acccttacta	tgtaacaggg	gttttcagaa	240
gaaactgcag	tgtgaatgtt	attattttaav	tttttgctgt	gaggtaactc	acctgcaggc	300
aggctcagag	agcttgtgtg	atgctacaca	tttatggttg	atgggagtga	gatgtgaaac	360
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<210> 31739

<211> 254

<212> DNA

<213> Homo sapiens

<400> 31739

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tacaaacatt	tatggagcac	ctgccgtgkt	gscmaaggrrm	ctggaccaat	tactcagcat	180
acttgatgcc	tgatccgttc	ctcattcctg	cgasggttgg	tgtgattatc	tcagttttac	240
aaatcaggwg	acag					254

<210> 31740

<211> 417

<212> DNA

<213> Homo sapiens

<400> 31740

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aatattttatt	acctctgcag	atgrwtaatt	tttggaatt	aagtakgcac	ttgagaagaa	180
tgtctcttct	cattagatgc	agtatcctat	atgtkagttt	gtttgttcat	tatattgttt	240
gaatgtgtta	gatgtactta	atgattactt	tggttttatt	cattaccaat	aaagctatgt	300
caaaatggta	ggttttgtctt	cttgtagtta	tttcagcttt	tcaattacat	atacttaggg	360
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<210> 31741

<211> 409

<212> DNA

<213> Homo sapiens

<400> 31741

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ttttgatngc	ggatcgaaa	ggactggccc	cggagcctac	aacctgacgc	aggtgggact	180
tggggaaatg	tcgagaaacc	taggtctggg	acttgagtgg	gcttccaggg	cacacattct	240
tgttcagaag	aaacacattg	caaaaatcgg	gaggtgacgg	gcagatgaag	tgctggcgct	300
tcgcctcggg	actccagtgc	acctatgggg	cttttgga	tgrggaagtc	gatgactctg	360
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<210> 31742

<211> 403

<212> DNA

<213> Homo sapiens

<400> 31742

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ccgagccgca	cgggcgctgc	tgttcaactgg	tggcgctgcc	tggcgcccg	ttacgcgcac	180
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agcacgagtg	tggctttttt	ttggattgtt	tttaacctct	gacattctga	ttcagattat	300
tgcatttctc	tctccastgt	ctctgatctt	cctggccaaa	tttctcaaga	aggcagacac	360
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<210> 31743
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 31743						
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aaaagtccaa	caagaaacaa	gtagaaagga	agttccccaa	tttgataaag	tacatctgtg	180
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tggcaaaact	ctgtctctac	aaaaaaatac	aaaaattagt	cagacatggt	gatatgcact	300
gtagtcccag	ttatttgga	gaattgcttg	agcctgggag	gtggagggtg	cagtgaacca	360
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<210> 31744
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 31744						
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attcctgttt	gatagatttt	aaatgattaa	ctaaagcaac	tgatttaagc	aacataattc	180
actttttact	aggaaggtag	tcttaagaaa	gctgctagtt	tcttggcatc	atttcagatg	240
actaaattga	aattcatttg	ctgtaggaat	tttttatita	tttctctttt	tttttt	296

<210> 31745
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 31745						
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actctgtgca	tttccacatt	tccatcacca	gctctaagaa	ggtacacctg	cagtttgttg	120
tgaccccggt	tcagaacgga	cagaaccaag	tgaggctta	ctctatttgg	tagagactga	180
gtcccagcaa	gtagaagtgt	cttgccaagg	ggatgcaatt	atgaatagga	aatggaacta	240
aaaatagaac	ctaggtatga	ccccatgt				268

<210> 31746
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 31746						
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<210> 31747

<211> 382
 <212> DNA
 <213> Homo sapiens

<400> 31747
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 ttcttagtgt taccgaaaag gaagaaagat ttccagacag agactaaata agtctcctaa 180
 tcaatgtgaa agaatatgtg ccttggggaa aaactggagt ggatattatg ttcattctctt 240
 tctcaaccct gtctttcaat aacacacgtc agtttttttt gatattttta aattttatttt 300
 tattttttatt tgtgtgtgtg tgtgtgtgtg tgtacctcta agttctaggg tacatgtgca 360
 caacatgcag gtttgataca ca 382

<210> 31748
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 31748
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 aactgagaga tgtgttgttt cttctggatg cttatatata atcttaaatt tatggtttaa 120
 agcaggggtg tccaaggag agaatacagt catgagttct tagtttctgt ttctgggttg 180
 gcccataaag ccccttcctc acccctcttt tccgcttat 219

<210> 31749
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 31749
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 gcctcattaa caacattttt gtgtcttaac aacctctctg attttgtaaa ctgacatgat 120
 tccttgttct gttatgaacg catgctgttc tagtscttct ataagcccat caca 174

<210> 31750
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 31750
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 atccatgtaa cactggcaat ctgtgtctat acctgtatct atagcaaaag ccagaattta 180
 ccacaaattt tgctgttgta tcaggaaata catcttgaca actgatactt attcttaata 240
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<210> 31751
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 31751
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gacttggaam	gccccggctg	ggtgggtgtcc	gggcgtcctt	tccccgcttc	ttcccacctc	180
ggctgggtccc	gtttcctcct	gcgcccagtg	cggacctgtc	tcggctggca	cgagaccagg	240
agaccctgca	ctcccatggg	gtgcggcaga	atggggacag	tgcvtacctc	tatctgctgt	300
cagcccgcaa	camctccctc	aaccctcagg	agctgcagcg	ggagcgnacg	ctgcggatgc	360
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<210> 31752

<211> 358

<212> DNA

<213> Homo sapiens

<400> 31752

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tgtgtcactt	aaaatattag	taaacctatga	tgacagcaact	gctaagagct	aaactaacia	180
aattgtgtca	tcatagctgc	tggcttggtg	tgaactcgct	taaaagcaat	ggtgaaagga	240
taacctcgat	gatgtaaatc	cacccaaaga	tactgttcta	caaaaagtag	ggtgtggacg	300
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<210> 31753

<211> 373

<212> DNA

<213> Homo sapiens

<400> 31753

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agcaactttt	acttatgggtg	gaaaaccttg	gtaagtaagg	aattctaatt	atgtactagg	180
tatggagcct	aggacacaga	acagaagtgt	aggtaagggtc	tgactctttc	tagcatagct	240
agggggcatg	gctaacacca	catgtcccca	ggccttacct	agaatctgct	ccaaagttaa	300
acagttttca	aaagtcaaaag	aagcagttta	tgaccttaaa	gcatttagca	aacctaatat	360
ctaacctgcc	ttc					373

<210> 31754

<211> 309

<212> DNA

<213> Homo sapiens

<400> 31754

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gcctcaatgt	atttgaaaaa	attgacataa	tacagagtac	gttctttgag	cagaggggaa	120
ttaacctaat	aatattttta	aaactagaaa	aatttcaaat	atgtgaaaat	taagcagtct	180
gcttctaaat	aatccatagg	tcaaagaaga	aatcacaatg	aaaataagaa	aatattttta	240
actaaatcat	aatgaaagta	tgacataaaa	aatttttaaga	tgtagctaaa	actgtgtatt	300
gggggtaag						309

<210> 31755

<211> 95

<212> DNA

<213> Homo sapiens

<400> 31755

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ccataaagaa agaaaaagcc tgaacagacc aatag

95

<210> 31756

<211> 258

<212> DNA

<213> Homo sapiens

<400> 31756

agcttttaaa atgtagacta ggtggctgca ccctgcctct gtttctgaga cccggaagca	60
tggctatct ggtgtctggc aaagccttcc tgcaggaatc ccattattg ggtcaaaata	120
aagcagctcc tttgcagttt cctgaagcgt gtctgtggtg gcatacacca cttattttt	180
gtcccaaat cttcatcatc tctctgatca ctgccctata ggaaatgcat tatttgtaag	240
actcgtgtcc acagcaga	258

<210> 31757

<211> 292

<212> DNA

<213> Homo sapiens

<400> 31757

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attcaggctt ttttctggt atgaagttaa ttttttttaa aaaaatccta tattatcaca	180
ccagagattt tagattcttt tctggttaga aacattgctg gtagttggat tatattttta	240
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<210> 31758

<211> 52

<212> DNA

<213> Homo sapiens

<400> 31758

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<210> 31759

<211> 213

<212> DNA

<213> Homo sapiens

<400> 31759

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atggccttsa gaaacctcak gctccttggc cctggaagcc tggcttgtgt ggggaggact	180
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<210> 31760

<211> 311

<212> DNA

<213> Homo sapiens

<400> 31760

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agtgttatc tccygygydaa aattaagaaa ggcaaggcag gttccctgct gtttctttt	180

aaaatgatcc cataattata tagccaaatt caggaaaaag aacaaaaagc ctttcttttt 240
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 atcckgaatt a 311

<210> 31761
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 31761
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 ataaatctta attgatatat tttcctctca tgcattgtctc tga 103

<210> 31762
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 31762
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<210> 31763
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 31763
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 aggag 185

<210> 31764
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 31764
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<210> 31765
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 31765
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 ccttgaagga ttgttgaaag tcaaagtcac gaagcaagca aagcacctgc agagtaaaga 180

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197

<210> 31766

<211> 152

<212> DNA

<213> Homo sapiens

<400> 31766

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<210> 31767

<211> 203

<212> DNA

<213> Homo sapiens

<400> 31767

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tcctgagttc	agtcctgggt	ctgttatctc	ccttctctgt	tcctcagcat	tcccaaagt	120
aaatagggta	attagcagca	gcaaactcca	tggggttgta	gtagggatta	aatgagtga	180
taagttaaag	atgattagaa	gcc				203

<210> 31768

<211> 273

<212> DNA

<213> Homo sapiens

<400> 31768

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tctatctcya	atmmagagg	ratcttaatt	tctgactact	gagtacttcc	aatttataaa	180
agagctgact	tttaaaaaat	tctaactctt	ttcccaaact	gtttagaaat	atgccatatt	240
tgaaagacgg	aatactgttt	gttcccaagc	cca			273

<210> 31769

<211> 282

<212> DNA

<213> Homo sapiens

<400> 31769

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gatgggaarr	aagtcctctr	aggtcttcta	aatcagaatc	aagatgtaag	taaagataat	180
atgtatactt	ttaaaaagtat	taaacttagg	taaacattta	aataattaat	ttttatagta	240
gaatggaaa	agcaggatgt	tataaaaatag	atcttttttt	tt		282

<210> 31770

<211> 94

<212> DNA

<213> Homo sapiens

<400> 31770

cttgaaaaaa	atttaactgc	aacttttagta	ttagaaaaat	gtctacaaga	ggatgtcaag	60
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aaagcagagt tgcattctgtc tacagaaagg gccc

94

<210> 31771

<211> 210

<212> DNA

<213> Homo sapiens

<400> 31771

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ctcttcaaga	ggctcttgatt	taatttatat	cttctcattt	tttgctgtat	atagcagaaa	120
cagcaaggca	gcaacttyct	agttgaaact	ctcctttgct	aaatcnntca	gttcattaca	180
taaaatttcc	aggtttttgt	gggggatcct				210

<210> 31772

<211> 451

<212> DNA

<213> Homo sapiens

<400> 31772

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acaagbttct	aatgccthet	attgggagag	cttgccatct	aggatttagc	tagagaggag	180
caatgtctgg	cttcaaagct	tcgaaggaca	agttgactgt	cttggttagag	gcttatgcag	240
ctgctgactt	ttaagttgaa	gccagtgtct	atttaccctt	ctgaaaatcc	taggmacttt	300
gagaatgata	aatctgttct	cacttatagg	tagaggctaa	acagtgggta	cttatggvca	360
taaaagtggc	tataatagac	actggagact	actagaggga	agacgggggt	ggtcaagggt	420
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<210> 31773

<211> 70

<212> DNA

<213> Homo sapiens

<400> 31773

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tgtgtggggc						70

<210> 31774

<211> 189

<212> DNA

<213> Homo sapiens

<400> 31774

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tgcggaaggc	cgcagggtcc	tctgcctagg	aaaaccagag	acctttgttc	acttgtttat	120
ctgctgascy	ttccctccac	tattgtccta	tgacctgtcc	aaatccccct	ctgcgagaaa	180
caccccaac						189

<210> 31775

<211> 438

<212> DNA

<213> Homo sapiens

<400> 31775

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cagctaataca	ggaggctgag	gcaggagaat	tgcttgaacc	tgggaggtgg	aggttgagct	360
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<210> 31777
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 <212> DNA
 <213> Homo sapiens

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ttgcagktct	aakgkttwaa ggcaatggca gatgggaaam atgctatcac tttkgtgtwa 180
caaactgtgt	tcctaaatcc atgcgtataa ccccttctgg aatgctggga tgtcnatcta 240
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<210> 31778
 <211> 431
 <212> DNA
 <213> Homo sapiens

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gaccagamct	gagacctgct ccttgcttgc cacattgcga gtgaagagaa ggagagaaga 180
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ctttgggggtg	ctgcagttcc tgggtgtctc gagcttctgg atgccactgt gttccctggt 300
gtcagctgtg	gaagctactt gcggtgtgcc tgtccagct gcagcctggc agagagctgg 360
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cattggccag	a 431

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 <211> 335
 <212> DNA
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atagstttgc	camctacatt aacctgactt cttattccat tattttcatc aacatacatt 180
tactatttca	agaaactttt gccagggacc ggaaagtgtc aaatatcttt attgcttaat 240

ccagtatctt cttcaaagat ccaaccactc ttcaatggaa aacatcaaag aacagtttac 300
attctaagac tttgaacctt tacctcaaaa tcta 335

<210> 31780
<211> 55
<212> DNA
<213> Homo sapiens

<400> 31780
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<210> 31781
<211> 283
<212> DNA
<213> Homo sapiens

<400> 31781
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gcttgggtgg aaatgtgccc kggtcaggcg caacactcca gaagggcagc agccaccaga 180
ccagacgaca gggaagccca gctcccaagc aaaacaaaaa actgggtgga gtcttgtggt 240
gaggggaaag tatttgttgt tttctgttta gtctagggat acg 283

<210> 31782
<211> 226
<212> DNA
<213> Homo sapiens

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ggacgaaaca grcacaaacc cstgctctcc tagagctgac attctagtgg gagaaactga 180
caatgggcaa ggtacttggg taacaggtaa agtatgttgg gtgaca 226

<210> 31783
<211> 393
<212> DNA
<213> Homo sapiens

<400> 31783
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ttcagaagat aagactactt gtttccataa aagaatagg gaaaggagtg agggttgaaa 180
caggtgggta tacttttttc ctttgttct tccaggccac acgtgtctac acttagcctc 240
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<210> 31784
<211> 192
<212> DNA
<213> Homo sapiens

<400> 31784

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cactgcagcc	ttcaactttc	cgtacccaag	ccatctttcc	accccagctg	gggccccaca	180
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<210> 31785
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 <212> DNA
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gtctggttgc	cattagtaga	wgcttgtttt	catttggagg	gttagaggag	ttaggcaatt	180
ggaaaagtct	atagaatcag	gccctaccat	tcaacaaagg	ccagagagac	tccccagga	240
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<210> 31786
 <211> 387
 <212> DNA
 <213> Homo sapiens

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gatgtctttg	actgggccag	gcatacaaag	gttaacttga	gccaaacaca	agctgcctca	240
gccagggctg	agacawkccc	agacatgccb	attgtdgtgg	ggcagacctt	ggactgggga	300
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<210> 31787
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 <212> DNA
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gtgtgaaatg	sccttctca	ttcggrakgt	tccagtctgc	ataaaggcag	gagcatgctg	180
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gagtacattt	tcagacagag	gagaaggagt	caatagagag	ggaaagggtg	aggakaaggg	420
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<210> 31788
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 31788						
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 aagctatcga gattamcctt tacagtgtgt gcatataact ttaaaacgac ttttttaacg 180
 tcttttattt aaattttatt ttaacttagt gcataaacat tacagccagt ttaacttgct 240
 cgtggaaagg cagtagaatt ttaccccgga c 271

<210> 31789
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 31789
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 cagaattact ttttacgcag ttttgcatca tgctcttttt atatcctatt tcccacgtca 180
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<210> 31790
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 31790
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 aagtgcacga gccttggaag ggagggccc 149

<210> 31791
 <211> 231
 <212> DNA
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<400> 31791
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 tgatggaaaa ggcattgttc ttcttgaaac aagagaaaga atagtccatt aagactccag 120
 gaaaaacaaa accactcaag aaaagcatgc tccaactacg agcaaaactaa agcatgacat 180
 gagaatgtat ttgacattca cactgggaag ctcccccttc taggagaaca t 231

<210> 31792
 <211> 386
 <212> DNA
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<400> 31792
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 tttttctcca ctttcaagag cttgggcttg gccc aaatct tagactgtcc aattctgcct 240
 ctattaccaa tttaaatcta tggcttgaac ctgtgcactg aaaatcaaat cctttaaaaa 300
 gaaagaggag aagaagaagc arwaragata gamawaacac ttattagaag ccctagtcac 360
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<210> 31793
 <211> 422
 <212> DNA

<213> Homo sapiens

<400> 31793

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atctgttgaa	attgtttcca	aaataaagg	gmtaatar	ccattctata	ttgttccaga	180
cagatggagc	acagggaaat	gtgtcttggc	attctaaaaa	agvatgaatg	gwgdammtg	240
gacactgttc	ccataaggmg	tacatgamgg	gacttgggat	atttaattgg	akaatagaag	300
attgamgggt	atgtggcaac	tgtcttcata	tattgcagak	ggtgtaatgt	gghwgcgaca	360
gactcgmgg	ggtcaatgga	tggcaagata	attactcaga	wtatggaagt	ctatgtattg	420
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<210> 31794

<211> 234

<212> DNA

<213> Homo sapiens

<400> 31794

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acatgggtta	ttgtatttcc	gagaagtgcc	tctcatttct	ggggagtgtg	ttacatatat	180
cctgcattta	aaccaattaa	aacaatccaa	gtttctttta	aaaaaaaaaa	aaaa	234

<210> 31795

<211> 313

<212> DNA

<213> Homo sapiens

<400> 31795

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tggtttttta	aggcctgatg	atttagctgc	cctgtcccta	agcaaaattt	gtatttggtt	180
tttacctgta	tttgtgctgt	agaacggaca	tatatattgtg	ccttggttaa	tgcaacagtt	240
aggccgggtg	cggtggctca	tgcctataat	cctagcactt	tgggaggcca	aggcgggcag	300
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<210> 31796

<211> 174

<212> DNA

<213> Homo sapiens

<400> 31796

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<210> 31797

<211> 462

<212> DNA

<213> Homo sapiens

<400> 31797

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ctcatgtaac	tgaaaaatta	caggactaag	tctagctttt	aggtttggct	agaaataggg	120

gcttaaatga	tgtcaatcag	aactcagtc	cacgctcctt	gtctctcaat	cctgatttct	180
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gtagaattgg	atgggtgatat	ggtttggtg	tatccccacc	taaattctcat	cttgaattat	300
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ggcggtttcc	cccatactgt	tctcctggta	gtgattaagt	ctcacaagat	ctgatgtttt	420
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<210> 31798

<211> 245

<212> DNA

<213> Homo sapiens

<400> 31798

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acagcaactg	taatgtgaag	gcattccgatt	tctattgggtg	tcaaagtcac	aggtactgcc	180
aatactgtga	tgtgttgcc	acattcgtaa	ttggaaaaaa	tgctgaattt	taatgagcgg	240
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<210> 31799

<211> 265

<212> DNA

<213> Homo sapiens

<400> 31799

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ctagctattc	cttttaaact	gatagtttcc	caacttgc	accacagtct	atcagattgt	180
gttagatgtc	tttaaaatgt	ttgaatctgt	gtaaaacctg	agtgggtatac	ttctattatt	240
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<210> 31800

<211> 276

<212> DNA

<213> Homo sapiens

<400> 31800

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tttttttaag	agacagggtg	tcacttcac	gccagactg	gagtacagt	gtgtgaccat	180
agctcaactg	agcaaaaact	cctgggctca	agtgatcctc	ccacctcagc	ctcctgagta	240
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<210> 31801

<211> 258

<212> DNA

<213> Homo sapiens

<400> 31801

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aaaagatgtt	cagcttttcc	tgtttcctta	gtgtattatg	cctatactgt	gttgtaaacc	180
ttttatcttg	aatagctctg	gaatttaaaa	tgtaattga	gtaagtaagt	taatgacatt	240
caacctaaaa	aaaaaaaa					258

<210> 31802
 <211> 235
 <212> DNA
 <213> Homo sapiens

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 ggaaagcata taatttgtaa gtaaattagc agtgatagaa aaattccttc ccatttctca 120
 aaaaagggtg ttaaaagcat caatttatta tgtttaccct aacttttgca ttacaaatgg 180
 actccctgaa cccaacccat gctaaattta actttcatag tagttgccag agata 235

<210> 31803
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 31803
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 ttgtttcttt tttaaatcaa ctttttaaaa aaataagtgt aaattaaccg actagagtac 180
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 tttttaatga gcaggaagtc tagaaatgat aactagactg tatgtttcat gtgtgtgatt 360
 tttcagaatt cccagagttt actcattctt gttattaaac tctagccagt tgacatcttc 420
 gcaatttcaa 430

<210> 31804
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 31804
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 gacctcctgg gtcgcagtg tactgcgagg gagcacagat gtccatcccc cgctgggggtg 180
 gagagcagca gca 193

<210> 31805
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 31805
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 agggggghmwv gaagtaaag attgtcaagg ttccctctgc cttgattgat agtttctgat 180
 gggagtggga aggaaggaat tbgagtaat ggtagvtggg aatgagagat tacgggagag 240
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 tcaagaagga cctgaatgta ccccgctttt ctcgccaaac ttcagtacca cctcaggaaa 360
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 tgatt 425

<210> 31806

<211> 270
 <212> DNA
 <213> Homo sapiens

<400> 31806
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 taagtagcca ttttggttt tagtacctca cttttgtaat aaaatgtatc agtatgtata 180
 ttttaataata caagtaaaaa agagactttc acttccttta atatgttttt aatttgtttc 240
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<210> 31807
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 31807
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 cggcctcgga gacggcgccc cggccgtgcc ggagtggaga tcgccaggct cggaggaacc 180
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<210> 31808
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 31808
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 agttccagtc atagtgtgtc tgtggcattc cagtccaacc atgtgactta tttattctaa 180
 tttgagggcc gct 193

<210> 31809
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 31809
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 atgggtggcca tgttttattt gcatatattt taccatattc aggtgttgtc ccatgttggg 180
 ataaagggtt tcatatatta atcagaatgg gt 212

<210> 31810
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 31810
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 aaataatgat actacctctg gaaaaaagga ttcattgactc agtgggtctg tttccctact 180
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gcac

244

<210> 31811
<211> 371
<212> DNA
<213> Homo sapiens

<400> 31811
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gcaatggags gtgggawkna agaatttcat cctgggtgtg aaatcaccca gatgaatcta 180
gcatggcaat gacttgaaaa wsggagtagg aggcaatgac atggacttga actggttagt 240
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atthttgtaag a 371

<210> 31812
<211> 309
<212> DNA
<213> Homo sapiens

<400> 31812
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tggtggagcc 309

<210> 31813
<211> 344
<212> DNA
<213> Homo sapiens

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tggaagaagct tggthtaamt gcttatctt ggactggtac aggctgaat gcatccagat 180
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<210> 31814
<211> 394
<212> DNA
<213> Homo sapiens

<400> 31814
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tgaatggaga gtgaaacat gaggcagggt ttcaaatctt cagttaaagc aagggaatgg 180
ccacaagctt agaaatagca tcagatagga gaggtataga ttagttagtt aagtatcata 240
ggaatagaat aggggtcttht thttaatat acttcaagtt ttaggggtaca tgtgcacaat 300
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394

<211> 158

<212> DNA

<213> Homo sapiens

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<210> 31816

<211> 172

<212> DNA

<213> Homo sapiens

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tagttctttc agttctttta aaaactcccc acaccgtttc tctagtggct gtgtgagttt      120
gcattcccac cggcagtgtg gaagtgttcc tgttccccgt atccacacca tt              172
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<210> 31817

<211> 218

<212> DNA

<213> Homo sapiens

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ggaggcggag	gttgacgtga	gctgagctca	taccactgca	ctccagcctg	aacagagtga	180
gatacctgtca	aaaaagaaaa	gaaaaagaaa	gcagcaca			218

<210> 31818

<211> 347

<212> DNA

<213> Homo sapiens

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actctacaat	catcttgatc	tcgatacact	actgctacca	ttattgagt	gtccactagg	180
tgtaagamac	tttgttagaa	tctggtcata	cacggattgc	tgcaaacag	cacagtgggt	240
aagamtgagg	tagtagcacc	agactgcttg	gggtctattac	tgccaagtgt	aractaagct	300
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<210> 31819

<211> 191

<212> DNA

<213> Homo sapiens

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9137

agtctgamac gttaagtgag ttaaccagat ggtgtcagaa gtggaatcca aagaagagct 180
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<211> 300
<212> DNA
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<400> 31820
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gtgaaaaatg tatgaatatc agagaagata gatgttaaga caaagaatat tactagaaat 180
gactatgttt tataatgcaa aatagttcag tacaggagaa agatacaata atttgagtgc 240
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<210> 31821
<211> 385
<212> DNA
<213> Homo sapiens

<400> 31821
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gtaactctat ttgaggagtc ttattaactt atcctattag aaatatttct ttttattaat 180
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cactatttga agttctaaga accgatggaa ctctgtatt ttgagagttt atttagaaca 300
tggttaacct aagtaatgctg tacttgtttt agttattcct ttatannntt aaaatgatit 360
tcttagtatc aaattaatat gtttc 385

<210> 31822
<211> 454
<212> DNA
<213> Homo sapiens

<400> 31822
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gtggatgtct gggttgatct gttgttcctg tttgttttcc ctaaagtcac ataactctgta 180
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agatttgaat ggtggtttgt attggttagt attsgsagct atcttgcat tttttgcagt 300
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<210> 31823
<211> 95
<212> DNA
<213> Homo sapiens

<400> 31823
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aaaagctata tggactttt tttttttttt ttttt 95

<210> 31824

<211> 288
 <212> DNA
 <213> Homo sapiens

<400> 31824
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 cttccgaagc acaggttaag tacagcttca gaaccaagtt tagaagtgag tacacatatg 180
 aatgatgaaa gacataaaga aacatttcaa gtgagagaat gttttggcaa cacaccaaac 240
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<210> 31825
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 31825
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 attgtatggt gatgagccag gcagatatgg tttctggttt taacaaagag atgtttaaca 180
 agagtataac aggtagacct ggtatctgtg gagtcaggga aagtttccat gaggaaggga 240
 catttaaaact gagataagaa gtagctggat gaagtgggga ggagggcatg taggtgtgag 300
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<210> 31826
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 31826
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 gatactttat accatttcaa cttttttgaa tttagtgaga cttgttttgt ggccaatat 180
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 tggatgaagt attctgtaag tgtcaattat gtatatttgg tttggattgt agtttaactt 300
 tgatgtttct ttgttgattt tctctctagt tgatgatctg ttcattactg aaagtta 357

<210> 31827
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 31827
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 tttcctcatt cttttctttt tcacagttgt ttgtgtgtkt atttkttatt tccaaaattta 300
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<210> 31828
 <211> 217
 <212> DNA

<213> Homo sapiens

<400> 31828

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gtaaccagga	catggtgaag	gtcgattgga	ggaaggggaag	acggttcagg	ctgggtgggct	180
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<210> 31829

<211> 392

<212> DNA

<213> Homo sapiens

<400> 31829

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ctgaggggaat	gcacccatct	cccttcctct	gaccagttag	ttaccttgct	tattctttca	180
aagctcttac	caccacctga	wgtcatctat	ctgggttggt	tattttattg	tttagtagca	240
gtctttat	tattatcatt	attatTTTT	gatggagtct	caactctgtt	cccaggctgg	300
agtgcagtag	catgatctcg	gctcaccaga	acctctgcct	cccaggttca	agcgattctc	360
ctgccttagc	ttcctgagta	gctgggacta	ca			392

<210> 31830

<211> 264

<212> DNA

<213> Homo sapiens

<400> 31830

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aataaaatta	ctttggtaaa	aaaaatgagt	attttaatat	gacatttcaa	taatgctatt	180
tattcaacat	ctagctgtta	agtctaaggt	gctgaatgag	gttttgttag	ataatacaat	240
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<210> 31831

<211> 302

<212> DNA

<213> Homo sapiens

<400> 31831

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tgggaggccg	aggcaggcag	atcacctgaa	gtcaggagtt	ccagacaagc	ctgaccaaca	120
taaagaaacc	ccatctctac	taaaaataca	aaaaataagc	caggcgtctt	ggggcatacc	180
tgtaatecca	gctactcagg	abgctgaggc	aggagaatca	cttgaaccca	ggaggcggag	240
gttgcaagtga	gccaaagtgg	caccattgca	ctccagccag	cctgggcaac	aacaccgata	300
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<210> 31832

<211> 412

<212> DNA

<213> Homo sapiens

<400> 31832

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tggtcattct	aatatctttg	ttgattctgg	gtttgtnktg	atattattatt	ctcattatgg	120
attgtactct	cctgcctytt	tgtatacttc	atgatcttat	tggaatgccag	acattgtgac	180
tgttaccttg	ttgggtatbn	ytgtattcat	atcawtcctc	ttgtgcttta	tgatgggatg	240
caactaagtt	ccttggagat	agtttgatcc	ttgggggtatt	gctttgtgat	ttgttaggca	300
ggttcacagc	agtgtctark	ctagggataa	ttatccccca	ctactgaggc	aagatttttc	360
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<210> 31833
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 <212> DNA
 <213> Homo sapiens

<400> 31833						
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cagaggagct	gaaagagakt	ttgacttgta	cctagatttg	aaabcwgagt	aagctaacaa	180
gaagacagaa	tgattcctag	nntcagggct	ggcaaaatgc	aaagtgaaat	tgatcgagtc	240
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cacactgtag	tatggacacc	caggtgtgtc	ccatagagga	cannbcbaaa	aatgtatctt	360
aactgggaaa	aaaagattaa	caaaaagaat	gaagatgtgc	ctcagctgca	tgaatataga	420
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<210> 31834
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 31834						
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gaaacagtgg	aaaagactca	ttctggctgg	gcacagtggc	aagcacaggt	aatcctatca	180
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tgatcatgcc	actgcactcc	agcctgggtg	atagagtga	accctgtccc	tctcttctct	300
ctgtctctct	ctgtckctct	ctgtckttct	ctgtctctga	cacacacaca	cacacacaca	360
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<210> 31835
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 31835						
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aatgtctttt	aacagctkca	aaataaatat	tctttcaatg	gaatgacaat	tattattttt	180
gccatatatt	tatttttaaa	ntttatgtat	aatggtaacc	tgagcctgca	tgttattcat	240
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aaattatata	aaatttgctt	tatatttttg	attgcaaatt	aattgctgta	ctttatagaa	360
agtttcccaa	atccgtttta	cttttttgta	tttgaaattt	aatcacaggt	gagg	414

<210> 31836
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 31836

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ggcttgctgg	attgaattgg	cagacctaca	tttagttctt	tgagaaatct	tcatactatt	180
ttccacagag	gttgtgctaa	tttacttcac	caccagcagt	gtataagcat	tccttattca	240
aatgaacaaa	taactaaatg	aagcattccc	tttactatg	tacacatcag	catctattgt	300
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<210> 31837

<211> 186

<212> DNA

<213> Homo sapiens

<400> 31837

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gtagaagagc	agtaaaggct	gattgacaca	caggsbatg	gagttgggtcc	ttgtccattc	120
tctcaccctt	gctgtgcatg	tatcaatcct	tatcccagaa	ggtactattt	agactgtata	180
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<210> 31838

<211> 260

<212> DNA

<213> Homo sapiens

<400> 31838

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agatccctct	ggcctgcgca	tctgtctgag	tcgctgcctt	ccaggcctgc	tgacagcct	180
ggctttctctg	cctctttccc	gtgtagagt	ttgctaagtc	tatgcaagtt	ttccgttgcc	240
acctaacaaa	tcgccacaca					260

<210> 31839

<211> 300

<212> DNA

<213> Homo sapiens

<400> 31839

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tcagatctct	tgagacgcat	tcactattac	aagaacagca	caggaaagaa	ctgctcccat	120
aagtcaatca	cctcccactg	ggttcctctc	atgacatgga	attgtgggag	ttacaattca	180
agatgagatt	tggttgaga	cacagccaaa	ctatatcatt	ccaccctgg	tctcttctaa	240
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<210> 31840

<211> 145

<212> DNA

<213> Homo sapiens

<400> 31840

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aggtggatca	tgagatcagg	agatcgagac	tatcctgggt	aacacagtaa	aaccccatct	120
ctactaaaaa	aaaaaaawta	aaaaa				145

<210> 31841
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 31841
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 cctttgcagg ctgrctttgc ttaagtctga cagtgcacaa cttgtgagcw tactgcagtc 180
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 tgcagagggc gagctcataa aactacaggg aagcgtgaaa tgatggcttt ggtagctgtt 300
 tactgggtaa cccactgtg acactgtcct tttcatgtga tgtggaaa 348

<210> 31842
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 31842
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 gtaaaatagg aacagtagat agtggttaga aagtggttgt gaaaacttaa tagaaagcta 360
 agcgccttgg tcggggcgag tggcatgtca cccctgcaa 399

<210> 31843
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 31843
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 attgatgtct garggraaat argtctcgaa cggtagctgc taccaacatg aacgaagaaa 180
 gcagccgctc ccatgtctgt ttcaacatca taatcacaca gacactttat gacctgcagt 240
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<210> 31844
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 31844
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<210> 31845
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 31845

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gggctgtatt	ccttcctgga	aggctctaaa	gaagaatcta	tttcctttcc	ttttccaatg	180
tctaattgct	gccagattc	cttggcttat	ggcccttcc	tcaatcttta	aagccagcag	240
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<210> 31846

<211> 277

<212> DNA

<213> Homo sapiens

<400> 31846

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tatgcctggg	grcagctctg	taamvarttg	daataatcag	ttccatttca	magatgacta	180
agtcagggt	cacagagtct	aagtcacctc	cctaggtaag	tggcaggatt	ggaatgaggt	240
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<210> 31847

<211> 171

<212> DNA

<213> Homo sapiens

<400> 31847

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tcagtctctg	atacagactc	attaatgata	aacaaaagga	aaaccaaaaga	gcagctacca	120
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<210> 31848

<211> 139

<212> DNA

<213> Homo sapiens

<400> 31848

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<210> 31849

<211> 105

<212> DNA

<213> Homo sapiens

<400> 31849

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<210> 31850

<211> 429

<212> DNA

<213> Homo sapiens

<400> 31850

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atttttggct	tcttctactg	caggattaga	ttcagctttc	tctaagctgc	taagtcgttt	180
accactcagc	cagctgattt	tcactctcca	aaattttggt	gacacccctc	aattcctatt	240
gccatctccc	atcttctttg	ttcttaaata	tttatgtcat	ttttattcct	gtattgtgat	300
tgtactggag	catcggagga	agccaagatt	aatgtgggct	cattctacca	gaggctcctt	360
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ctgtgtccsy	tgaaaagtga	agctcaaagg	atttttttaga	atctgctgcc	ccagcagacc	180
tttcttctct	aatgcagctt	ctaagctgcc	atcagccagg	cggaagctg	ggtggggtgt	240
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 <211> 427
 <212> DNA
 <213> Homo sapiens

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ctgtaatccc	agcactctgg	gaggccgagg	caggtggatc	gcctaaggtc	aggagttaa	240
gaccagcctg	gccaacacgg	tgadvcccca	tctctactaa	aaatacaaaa	agttagccag	300
ggacgggtggc	aggcacctgt	ggtcctagct	actcgggagg	ctgaggcagg	agaattgctt	360
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aacgagc						427

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 <213> Homo sapiens

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<210> 31854
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 <212> DNA
 <213> Homo sapiens

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127

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<211> 440
<212> DNA
<213> Homo sapiens

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cttttttgtg ttttacacag ataaacatag tktatatamc taatttcaca tttgcaatat 180
tgtcaagtat agartaccaa agcttagttg aaatgcatca agttcctgat tgcttgactt 240
acttgctaata tgattttcttt tccacatacc agcatcacat tgcataggat tcagatttgt 300
atcctcaaaa aaaaattatc aaatacatct tataatcctt tgcaaataat tctaaatata 360
aaaactcaat gtttaacatg tgagtctact tgcactacta tgtaaataaa tnaawgtttga 420
wggtgtcaca atagctttta 440

<210> 31856
<211> 457
<212> DNA
<213> Homo sapiens

<400> 31856
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ttaaatttat gcttaccaca aatcaagctc attttattta tttacgaagc attggctctt 180
cctgaaaaga gtgccttgga gtacaaaatt attcccactt agtttctggg ataattttt 240
ccatttatgc accagtattg tgataaagga gacaatgggt tttcattaac actaatatgc 300
tttagacaga aaaatggcct ataagtactt ctgaccatga gataatcttt ggacaaactg 360
caaatacatg gtaattactc cttctacttt gaaggagtaa cgcctcagca cctgatgcta 420
aacaacagtc agcctagstc tttgttgttg tcaaagt 457

<210> 31857
<211> 228
<212> DNA
<213> Homo sapiens

<400> 31857
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aaacaacaaa attaaggcag aaataaagat gttctttgaa accaataaga acaaagactc 120
aatgtaccag aatctctggg acacatttaa agcagtgtgt agagagaaat ttatagcact 180
aatgcccac aaaagaaagc aggaaagatc taaaattgac accctaata 228

<210> 31858
<211> 323
<212> DNA
<213> Homo sapiens

<400> 31858
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gaacagcaag atggaagaca agtggwkrag taatcatctg ttttgagntt gacaagggtg 180
gacataacct tgtaataga cacaagtaaa agaaaatcat actaggattg gatattagt 240
agcgagcacc gaccagtaga aacaacaaca gcataaatct gttatttaag tatcccaata 300

atgagggttaa aaaaaaaaaa aaa

323

<210> 31859

<211> 447

<212> DNA

<213> Homo sapiens

<400> 31859

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gaatgaataa	ccttgaaaac	ttgaaagtgg	attcgactac	ctggtgacac	agaccacatg	180
gtaatacacg	agcaattttc	tctaaccct	aaacagggtc	cacaagcaat	ctttgggttc	240
tcaacacttt	tttccaatt	aaattgacca	gaaaatatcc	ttctttcctt	ctccagcatc	300
taacttttta	agttgcaaac	tcataaatga	agtcaggcta	ttgatattat	gcttacattc	360
tacacagtaa	tattataaat	ttaaatgaag	caatatctac	tctgtgttct	agttcctcaa	420
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<210> 31860

<211> 397

<212> DNA

<213> Homo sapiens

<400> 31860

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agggatctga	gaccagattg	ttctcgcaac	ccytgccaga	actcactctc	ccctgaagtt	180
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ccccctcgtc	accaggtgtg	atagccccag	ccaggwcaca	cctggcctca	cactttgagc	360
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<210> 31861

<211> 516

<212> DNA

<213> Homo sapiens

<400> 31861

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gcctaaaaga	tttctgagga	gaagtattgg	htttagtacc	taatgtttgt	ctgccactgt	180
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tgctattttt	ttttaagaaa	aattattact	ctacctgcag	agtagtgcaa	ttactattag	360
taattcacta	ctactagtaa	tatctgaggg	gatcatcagc	agtgcatgga	agagatgtgc	420
aagtataat	ggtgattgga	aaagagtgga	ggtaatgraa	atacaacctt	tcaccaaata	480
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<210> 31862

<211> 124

<212> DNA

<213> Homo sapiens

<400> 31862

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cccc 124

<210> 31863

<211> 407

<212> DNA

<213> Homo sapiens

<400> 31863

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ttgadctaag grwgggtttt wamatTTTTA aatgtcttaa aatgttaaaa gaagaatact 180
cttttgaac aggtaggagt tgtacaaaat tcaaatttca atgtccataa aatgttattg 240
naacacagcc acactcattg gtttgagcat tctcaatggc tgcttttgca ttgtgagggc 300
agagttgagt agttgcaaca gagatcatgt agcctgcaaa gcctaacata tttactgtct 360
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<210> 31864

<211> 361

<212> DNA

<213> Homo sapiens

<400> 31864

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tttgwgacca tggggsctct gttgaatgcc aaagatgtag acgggaggac accacttgtt 180
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gttaattcca gagacaaaca aaacagggag agaactttgg aagaaagggc catctttgca 300
acagcgaaat ttgacacaca tgcaagatga agtaaattgtg aagtcacatc agagggagcg 360
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<210> 31865

<211> 316

<212> DNA

<213> Homo sapiens

<400> 31865

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cctcaaggac cctgtgarg scaggcagaa atggcgtggc aggggaccca gcgagcccag 180
agggattttg ccgctgcttc ctctaccctt gtatttcacg cagctctcta aattgactca 240
gctccaggta aggtcagaat cttctcgat aatctagacc ttcaggttcs hcagtggggc 300
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<210> 31866

<211> 283

<212> DNA

<213> Homo sapiens

<400> 31866

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ttctttctac aactcgggtg cttgagtttt gtctgcagct cctcctgtta catttcttgg 180
ctccctgact gggaagcaac gtgactgaca gacagctgag gcagcccctt aggcaactta 240

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283

<210> 31867

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<212> DNA

<213> Homo sapiens

<400> 31867

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tggttgartta	ttttttacct	caataaggda	taaatgtata	tccatctatc	atctatctat	180
catccaaata	tatatcaaga	aagtcattaa	actaataacg	aaaaatgttt	tgtgtatgtg	240
caggaagaat	cagactaaat	actcatatag	aaaaaattgt	cagcctttga	agaccatcth	300
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aaatgrcrtt	tcctttaaca	grcttaaaaa	gcactgraat	caracacttg	atcttagttt	420
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<210> 31868

<211> 275

<212> DNA

<213> Homo sapiens

<400> 31868

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gcttccatct	ggagatcttt	gatgggtaca	aatggtagst	gactttcttc	gatcatctct	180
cgaacgggag	ttcggtgagc	agcaactcgg	ctcgtccggg	aatccagact	ttccggaaga	240
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<210> 31869

<211> 75

<212> DNA

<213> Homo sapiens

<400> 31869

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<210> 31870

<211> 245

<212> DNA

<213> Homo sapiens

<400> 31870

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gtgtkgcttg	ccatttttta	ctgatttgct	tgtgcttcta	ccascttctt	aatgkgctcc	180
tggaatgcct	acatgtaaaa	ggattctgat	ggagaagaaa	cttctagacc	ttaagtgact	240
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<210> 31871

<211> 280

<212> DNA

<213> Homo sapiens

<400> 31871

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tacaagtttg	tcttwacgma	actaagaaca	gtatgaaaag	gatgttaaaa	tatctgggta	180
gttattaaaa	taaattatct	ctaaaatgaa	ttttgtaatc	tattattata	atTTTactag	240
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<210> 31872

<211> 388

<212> DNA

<213> Homo sapiens

<400> 31872

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tactaaaaca	ctgtttttgt	ttgtttataa	atTTTTtatt	tttaaaaaat	taatttccac	360
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<210> 31873

<211> 450

<212> DNA

<213> Homo sapiens

<400> 31873

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taaggaattg	gtaaaaaaat	atgaagaaaa	gaaagaaagt	tattatcaca	aattaattgt	180
accagttact	tccaggaaat	ttaactgacc	aggttcttac	aggaggcttc	agcaatattg	240
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ctattacat	tctggaagaa	aacattcaaa	ctgtttttca	tctgctgtca	cactaacaca	360
acaacagtca	atacagaaga	cttctgtgac	cccaaaatat	gtggagggtt	ttcccatca	420
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<210> 31874

<211> 147

<212> DNA

<213> Homo sapiens

<400> 31874

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<210> 31875

<211> 336

<212> DNA

<213> Homo sapiens

<400> 31875

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<210> 31876
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 <212> DNA
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ggtctcagac	tcctgggctc	aagcagtcct	gcacctcagc	ctcctgagta	gctgggacta	180
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catgtttctca	gcagcatttt	ttattkttta	tctttggtta	tagccatcct	aactgagggtg	360
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<210> 31877
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 31877						
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caaattggtt	tggaagggtg	ggtgttattt	ctgaggcctc	tggtctgttc	caatacatgc	300
tggttttggt	actgtagcct	tgtagtatag	tttgaagtca	ggtagcatga	tgctccagc	360
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<210> 31878
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 31878						
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<210> 31879
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 31879						
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aagaatatgc	attctgcaat	cattgggcac	tgtaaatcct	attawdcaaa	tctacatttt	180

ttactcaatt	ttgaagtctt	tttgtkatat	cagtaattta	taaagtgatg	ttaaaatctc	240
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tcactgc						307

<210> 31880
 <211> 342
 <212> DNA
 <213> Homo sapiens

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accaagtacc	agccgtccaa	actgatcaca	attaaaattc	tgacagttgc	cttttttttc	300
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<210> 31881
 <211> 373
 <212> DNA
 <213> Homo sapiens

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<210> 31882
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 <212> DNA
 <213> Homo sapiens

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<210> 31883
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 31883						
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aacttatgaa	ttgtttattt	ctggaatttt	ccatttaata	tttttgacc	atagtgactg	180
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<210> 31884
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 31884
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 gaagtaaaca ctggaggacc tgggagtgtg gtgcttattg atggatcggt gggtttatcc 120
 aggattgggg tttttgccag atgggtgtga tgagaatctt aagagttaag ggtaaag 177

<210> 31885
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 31885
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 cagtcttgct ctgtcaccca ggctgggtatg aagtggcagc atttcagctc actgcagcct 120
 cgacctcctg agctctagca attctcccat ctcggccttc caagtagcta ggactgcagg 180
 tgtgtgccac ccc 193

<210> 31886
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 31886
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 ctgagatcta ctttcttaag aaaaaacaaa tctaggaagc ttacagtggc taagatgggt 180
 catttaaatg taggtgattt ataactgcac gtaagtctat ttcgtgttgc tttgttatct 240
 tacctctcga taagaatggc aaataactac tcttactcat tgtgcatgat tttctgggtt 300
 tatgtgactg tgttcaaatt gaggaacca gaatccagtt attcaacaac aataattttc 360
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<210> 31887
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 31887
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 tatgtggtct tttgtgactg acttatttca cttagcataa tgttgtcaag gttcatccat 180
 gctggagcat gaagcagtgc ttcattcctt tgtatggcag aacgact 227

<210> 31888
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 31888
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ctgaatttat	cacttcttcc	aaatctgttc	ttcctctttt	tgtctgccct	aattcaaatt	180
ataatttact	caggcaccta	agtagaacct	gttatttgtc	cttgactctt	tcttatgtaa	240
ttacttacca	agtctaata	atactactaa	cttaattatc	tggaagacat	ccctttacct	300
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<210> 31889
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 31889						
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gtagtaaaat	gggttgatat	atttagagac	attattcatt	ctacaggcag	agcttgatgc	180
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ccaaggaata	tttgtcttaa	gagtagac				268

<210> 31890
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 31890						
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aaaa						64

<210> 31891
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 31891						
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tactaaatgt	gaatggattc	tcaggtagag	catagtcctt	ctgaaattca	ctctttgctc	180
aaacattttat	tggcatctat	taacaggcac	tgtatttgtt	atgggggttca	ccaaaatgaa	240
tgagacataa	ggcttattct	caaggagatt	atcttgtttg	gattataaat	catttcctaa	300
gcaactaaaa	knbaagatag	tgcagctcag	caactttaaa	gagcacatgc	catgtgccag	360
gcactctgcc	aggtggcgga	agtacagaaa	tgagttagat	acaggacttt	cttctcaaag	420
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<210> 31892
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 31892						
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cacagggtttt	attaactaaa	atatcccat	gtggagttaa	gaggaaagct	taggttatac	120
ttkawgwctg	tctgarvwkg	gtaacgatca	agttcctgaa	ccacagcagt	caaatcaaac	180
ttaatactgc	aagacatgga	aatataa				207

<210> 31893
 <211> 421

<212> DNA
<213> Homo sapiens

<400> 31893
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cgcacctaac tccaggctgg aatgcaatag cgtgggtcttg gctcactgca acctccgcct 120
cccggtgttc aagcaattct cctgcctcag cctcctaagt agctgggact acagggggccc 180
tcctgctgct ccctccatga ggctgggtcct gaaggaatag gcctgtggct cgtccctcct 240
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aggtctcaca ggatgggaca caaggatagg cattaagcag gacttccagg gcchrmggga 360
agttggcgca gtgtttcagc atctaggggt caaaagaggg tcttgggcac atgcctcccc 420
c 421

<210> 31894
<211> 380
<212> DNA
<213> Homo sapiens

<400> 31894
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aacaactagt gtartacact gwwagctttg tktgtagtgt tgtwattcca taggcttttg 180
twctttgggt tagttttgaa tttttcccca tacgtgatgt atgtacttta atatttntga 240
gaaatgataa ctttgagtyt atgtaaaaag atttktatgg ttagcacttc ttgtcttgac 300
attagtggaa actggaatga gagagttatt tgraaaaaca tattccacat atttwtagtt 360
ttaacaacaa tcacacagaa 380

<210> 31895
<211> 324
<212> DNA
<213> Homo sapiens

<400> 31895
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gctcactgca acctccctgc ctgattctcc tgcctcagcc tgccgagtgg cgcgcgcgcca 120
cgctgactg gtttttcata ttattttggg ggagacggag ttctgctgtg ttggccggggc 180
tggctctccag ctccgaacca cgagtgatcc gccagcctcg gcttcccagag ttgctgggat 240
tgcagacgga gtgtcgttca ctcagtgtc aatgggtgcc aggctggagt gcagtggcgt 300
gatctcggct cgtacaacc tcca 324

<210> 31896
<211> 445
<212> DNA
<213> Homo sapiens

<400> 31896
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aagtcggagg gtcgaaggtc ccttctagct caggaaaatc gaggtcagga ggccggggata 180
ttcggccccg ttcagacccc gaacaaaagg gcttaccctg ctgtgggctg ggcccgcgac 240
ttctcgcttg ctttgcctct tttctggatc ttttcataga agaaaaggat aaatgagcag 300
ttaaataatg caccctaaagg aggacgcctg acagtgtgcc cagcctgctg ggaaaggrea 360
gaccgcctc tattgggcct cctttggccg ggcccagcct tcgtaggatg cagggaacttc 420
cgggtgatgt aatagghtcg cgttc 445

<210> 31897
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 31897
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 cagscgaaat ttnggtaamc tcaatcaagt ttatttattt atttatttat ttttttaatg 180
 ggtccc 186

<210> 31898
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 31898
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 ttgcaaccag cagaactttt aaaaaatttt tggggtagat agtgggtgta tatgtttttg 120
 aggtacatga gatattttga tacagggtata caatgcataa tgatcacatc agggtaaatg 180
 gtattggagt atccatcacc tcaagcggtt gtcattcttt gtgttgtaaa cagtccatat 240
 actaaaagta actaaaggag tacttttagt tacttttaaa tgtacaataa ttattgttga 300
 ctgtagtcac cctgttgtga tgtcaactag atcttattca gttctg 346

<210> 31899
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 31899
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 tgtggggcct acacgccag acacacacat acccaaccaa aaaaatctcc caagctcctc 180
 tcttagaata tctccgaat cctaaatcta gagctccaag gatgctggc attaagaaag 240
 gtaatacaaa agacttacag ctatctggat tcccagtagt aggaaatctt ccgtcc 296

<210> 31900
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 31900
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 attgattaat tttttaaaaa cccctcttag gctcacacag caactggctg agccagcagt 120
 cacatcaggc ttggctgggt ccagatcctt ggtagttggt gctctcagca gccaccctga 180
 atggcctccc agcgggagct tgctgagtat ttgttgacac aatgattggc ccagcctctg 240
 ggatcctaag cctacagcag ttgttctaca cttttttcca tttgaattgc atttttaaca 300
 gttgggggta tacaatgaaa aaataaatcc cgatttctgg cttctcttaa aacataggaa 360
 ggtgcggcgg gcagctctga gtgccagccc ggtggcagat tttccagagt a 411

<210> 31901
 <211> 242
 <212> DNA

<213> Homo sapiens

<400> 31901

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agactttgcc	tcaataaaat	acaaataaaa	tttaaaaata	ctcatacatg	taatgggtcat	120
aaataattgg	gaggcttata	tttcagatat	aggaggctct	ttgggagggt	ggtatactaa	180
tcaaccccc	taatcaatcc	aaagaatcct	cttggattct	ttgttgttct	tatagacacg	240
ga						242

<210> 31902

<211> 462

<212> DNA

<213> Homo sapiens

<400> 31902

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ctgtccctga	ttcctcagca	tctcttcagg	ttttgttcag	acctgaagg	cagaggtaac	180
agacttccag	ggccaggggtc	acctcttgat	ttaacttggg	ctgtggccag	attagccaca	240
ttgatctgct	ctcttggaag	cctgaagaag	ccagtaatct	cacttgggca	cacatggagg	300
gagagagtat	aagaaaaaaa	aacaacaggc	cgggcgcagt	ggctcacgcc	tataatccca	360
gcactttggg	aggccgaggc	gggcagatca	cgaggtcagg	aaattgagac	catcntggct	420
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<210> 31903

<211> 307

<212> DNA

<213> Homo sapiens

<400> 31903

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gccattaaat	tgtatatact	ttaaaacagt	ggattttatg	gtatgtgaat	tttatctcaa	120
ttttaaaaaa	agtcctttaa	tgtagtatga	aacttttttt	aaggccaggc	agggtggctc	180
acgcctgtaa	tcccagcact	ttgggagact	gaggcgggcg	gatcacctga	ggtcaggagt	240
tctagactag	cctggccaac	atgatgaaac	cctgtctcta	ccgaaaatac	gaaaattagc	300
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<210> 31904

<211> 319

<212> DNA

<213> Homo sapiens

<400> 31904

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cctgggggtt	tggctggatt	ccacctcgct	cagtgtgat	agtctgtttc	cctggaacat	180
tcctgtgggt	ttagtagtaa	tgagatgtgt	gcaccactcc	agtgggaact	gaagctctta	240
gtagttacat	tgtaattaaa	aaagaattat	aaaacaagaa	atcagcaagc	ctgcttacct	300
ccagagacac	accgttcca					319

<210> 31905

<211> 373

<212> DNA

<213> Homo sapiens

<400> 31905

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cttctatgat	attgctttaa	atcttactaa	tgacaaaggt	agttgtcttt	taagaactga	120
aattttgggtg	tatttaagat	gacccttttt	gaacttgtgt	gctaacagcc	catttgctga	180
aatattctac	tgctataaga	taaaaagaat	gtttctagaa	tgtagtgta	gtatttctac	240
atcttattag	tgaagtatga	tatgtataat	tacattttca	tggtatttat	aaaacttcta	300
tggtattctg	ggwawctggt	aactttatgt	gwwaccttag	caaattatat	aacaatttga	360
tgaggagact	ttt					373

<210> 31906

<211> 442

<212> DNA

<213> Homo sapiens

<400> 31906

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tccgttggca	cttaccttcc	aggtgcatct	cgcggtggag	aggaaatcag	agaagggaca	180
agacacacct	tagatcctgt	cttgaggtta	cagctggcta	ggctgcagga	gctgggattc	240
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agttggttgt	ttaagaatgc	ggaacctctg	aagtctcttt	ccttggcctc	caccagccga	360
gatagcccag	gggctgtggc	agcgccattg	atctctggcg	tgagatcca	aagctgagmg	420
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<210> 31907

<211> 253

<212> DNA

<213> Homo sapiens

<400> 31907

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cattatattc	ctwttgccat	ttcttctctg	ttcctcacag	aaccttggtc	tcctgtttat	120
cctggcttcc	tttcccttgg	ctcctctagc	amccatataa	agtgaatcat	aagatttctt	180
cttdaaaaga	tttgactac	ctccaccaat	gagaattaat	gcttysgggc	atctttgggtg	240
gaattaggta	ctt					253

<210> 31908

<211> 146

<212> DNA

<213> Homo sapiens

<400> 31908

aaaccttctg	actactaacc	tgtagatccc	tttagttcct	tagcagtatt	cacaaatgtt	60
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gtttgtcttt	tttttttttt	tttttt				146

<210> 31909

<211> 187

<212> DNA

<213> Homo sapiens

<400> 31909

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actacacaga	gcccattcatt	tacatcaggg	gtccctcttg	gtgggtgcacg	ttctgtgggc	120
tgggacaggt	gtagactctg	cagtcataaa	ccattcccca	ccacacaggg	cccttagttg	180
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tactaacaac	caatttgctc	ccacaatgcc	tctccctcct	gcacgcaatg	gtggcctatg	360
atcccgatga	gagaatcacc	gcca				385

<210> 31915
 <211> 361
 <212> DNA
 <213> Homo sapiens

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ctgccccttc	
tgtccgtctg	
gtgtggatat	
taatgttgct	
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tggaccttc	
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tttggtatat	
tgcagttcaa	
tgccagccta	
acttggtata	
aatttaactg	360
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gctgaacaca	
tgagaacagk	361
k	

<210> 31916
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 31916	
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attcaaacct	
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agttatatcc	
tttaactata	
gttactcatt	
tgtaacattt	180
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taacacaccc	
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aaattctgct	
ggagtctaac	
cccaccatag	
ggcagcagca	
tttaggaac	300
aaaagcagag	
aagctcacac	
tcttctgagt	
ataactgggg	
agaagattta	
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<210> 31917
 <211> 553
 <212> DNA
 <213> Homo sapiens

<400> 31917	
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ccaaaatcgt	
ggcccctgga	
tcttaatat	
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tccaaactag	
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ttcattcaag	
tgatcctgac	
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actttccaac	
actgagaacc	
aagaaaagaa	
gaaaatattt	
gtcttttttg	420
agcatcaaac	
aaaggtccta	
aagaaaagac	
atactaaaga	
aaaagttcta	
agggcgcgcca	480
agagaagatg	
ggctccaatt	
ccttgttcgh	
wgctagaaaa	
ctccttgggt	
ccttttccac	540
ttttccttca	
acaggttcaa	
tctgacacgg	
cccaaaacta	
taccatatac	
tattccataa	553
gaggtcctgg	
agt	

<210> 31918
 <211> 255
 <212> DNA

<213> Homo sapiens

<400> 31918

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agtattttta	cagagctgca	caacaattat	ggaaatcaat	tttagaacat	ttccttactt	180
caaaaagaca	cctcnttact	ctttagcagt	cactcctcat	ttattcccag	ttccaccctc	240
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<210> 31919

<211> 206

<212> DNA

<213> Homo sapiens

<400> 31919

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gtttratttt	gaaagcctag	tctkgtctct	caagagcatc	tcggaccag	aacattctcc	180
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<210> 31920

<211> 409

<212> DNA

<213> Homo sapiens

<400> 31920

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ccgccacggc	agccaggagg	catttggtta	gcgaataatc	gagacaggga	agaggagtgg	120
agttggctgc	tccagactct	gcttagtttt	cctttctcaa	agttctccct	cctgtgtcct	180
agccggggaa	ttagctaaaa	tgggaatttc	tttgggtgatc	aggtatcctt	ctgatgaaga	240
gaagaaaggc	ctaaactccc	aggcatggat	gcattagaaa	gaggtagtct	tagaaatgag	300
caggcggttg	ttatttatgc	aggactggca	tactttctgt	gctgccaagg	ggtgattttt	360
ggaagtctcc	cctctaattg	tgggtgctgg	cctttgggat	ggtctagcc		409

<210> 31921

<211> 272

<212> DNA

<213> Homo sapiens

<400> 31921

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agasagaaaa	aatgacgaag	aagctatgta	tagtaaggca	cactgaattt	acttccaggc	180
ctatttgaac	atggaatgtg	ggaagacttt	gaggaagcag	tatattcagg	ggagagctgg	240
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<210> 31922

<211> 425

<212> DNA

<213> Homo sapiens

<400> 31922

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aatatcttaa	ttggtcttcc	actaagctgt	cagcttggtt	atggtgagga	cttttttata	180
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attgtcccct	tgatccatga	ttctctgcag	cagtgttgct	cgtggcggct	tgtttacctg	360
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ttatgttgaa	gtatgttctt
tctgtaccca	gtttcttgag
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ggttcttctc	atgaaggagg
ttgaatttta	tcaaattgctt
tntcagcatc	aattgagatg
180	
atcatatggt	ttttgtcctc
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cc	
262	

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 <212> DNA
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ggagatcaat	ccccatcct
cctgctcttt	gctccgtgrg
120	
aaagrwtcca	cctatgacct
caggtcctca	gactgaccag
cccaagaaac	atctcaccat
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tcccct	
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 <212> DNA
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112	

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 <212> DNA
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cttggtcgca	gaggcaggag
gcacccgacc	gcatgtctgt
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tgctccagct	ttcagtcgga
cctggatttc	tgttcagatt
180	
gcggtcgggt	cctgcctctg
cccggggctc	aggatacggg
cacctgtatt	cgctgtggct
240	
tcaacatcaa	cgttcgggac
tttgagggga	aggttggtga
gacttcgggt	gtgttccacc
300	
aactggggac	agccatgcct
atgtcgggtg	aggaaggggc
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ata	
403	

<210> 31927
 <211> 265
 <212> DNA
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 attttacagt gkymatkgac actatgttta gccttagata gttgcttttc ctaaccatat 180
 tgtgaaacta ctaaattttt tttttttcca aatctaatag aggaactgct ctcttttttt 240
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<210> 31928
 <211> 267
 <212> DNA
 <213> Homo sapiens

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 tgtgggttcc agttaatccc gaactgggac tgcgacacc ctctgtcacc tcagccagga 180
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 tttgtcattt ttaattttct ggcagcc 267

<210> 31929
 <211> 189
 <212> DNA
 <213> Homo sapiens

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 aataatattt gttgggagas ccccgtttga gattctgctc ttactggaat gaatgcagtg 180
 tgccccac 189

<210> 31930
 <211> 175
 <212> DNA
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<400> 31930
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 ctcatgtgag tgctaccaa caggtgacct cagcagagaa ggattttaat aatcaagtgg 120
 atagcgtgac ctgttctgtg gatgccactt agcntctttc cccagctacc ccgaa 175

<210> 31931
 <211> 341
 <212> DNA
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 tgaaggctct cagacktggg aaagaaactt acccatttta aaattcagca ttgctcaact 180

tacctgactg ccggaccocct tcacccatga ttctatgcac tgtattgttg gaacatacat 240
 tgtgaaaaca ctgccctgcc taggcatacc ccctttccag aattaacttt ccatttaatt 300
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<210> 31932
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 <212> DNA
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 grgtcaggct acatccctga gcaggaaagt ttacccatga agattggtgg gattttttgt 180
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 caatattgay attttagtgg gagcggaggg t 331

<210> 31933
 <211> 198
 <212> DNA
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<400> 31933
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 tgtgtatcct tatagatttm mcattattta tttactttcc attattttct tctacattat 180
 catatttagt agctaacc 198

<210> 31934
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 <212> DNA
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 gtatgggctt gagagccaat ctgcctgac ttggctccag aagttaatta gttctgtgca 240
 cttgggcaag tttcttggtc tttctgggcc tcagtttacc catctctaaa atgaagataa 300
 gagatgtacc tacattgtaa agttgttata agaattaaat gagttgcatg aacathnnag 360
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 <211> 212
 <212> DNA
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<400> 31935
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 ttaacatgta ttttatttgt gtatccactc cg 212

<210> 31936

<211> 420
 <212> DNA
 <213> Homo sapiens

<400> 31936
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 ccctcctctg tgtttctaca gctccttggc ttccctctgt cacacgttat tgagaaccta 360
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<210> 31937
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 31937
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 gramcacagt akgmctaaat cactatgcta ggaattacag ataacagggt aataaaacat 180
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 aggagtacag acaagggagc aagtaattct gcaaagagt cctatcaata tggacttgga 300
 tagcgatatt tgtgttgggt cttggagaat gattgagttt accaacaggg aagaagagga 360
 gatgcgtatt tcagcccagg gaatggccag atgaaagagm gaagataaaa tgtatattat 420
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<210> 31938
 <211> 344
 <212> DNA
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<400> 31938
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 taarggcaaa attaaattcc ttgcagtttc caccattttt tcttaatgtg aataattggg 180
 aaagaaaaag gaatcataag gccgggcacg gtggctcata cctgtaatcc cagcactttg 240
 ggaggctgag gtggtggatc acctggggtc aggagtttga gaccagcctg gccaacacga 300
 tgaaaccccg tctctactaa aaacacaaaa attagccggg acct 344

<210> 31939
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 31939
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 aatcagttct ctcaacttct tgccctctac ccctcttgtc ccgccaatct tgctggatta 180
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<210> 31940

<211> 58
 <212> DNA
 <213> Homo sapiens

<400> 31940
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<210> 31941
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 31941
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 gagaaaataa cttctatttc aaggmaaaca ctattaaaaa ttttaagtgt ttctttccat 180
 ttgcaaataa ttccttcact cgggt 205

<210> 31942
 <211> 227
 <212> DNA
 <213> Homo sapiens

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 ggaagattct gaggtttaat gaatatgtag aggtaacaga tgctcaagat tatgaccggc 120
 gagccgacaa accttgacc aaactgaccc ctgctgacaa ggctgccata agaaaagaat 180
 taaatgaatt taaaagctcc gagatggagg ttcatgaaga gagcaaa 227

<210> 31943
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 <212> DNA
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<400> 31943
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 ggtaaatatac taggagtggr atgtctgggw catatggtag ckgcatattt aacttttttt 180
 ctttttttga gatagggtct tgctccttca ctcaggctgg aatgcagttg tgtgatcatg 240
 gcacactcta gccttgacct cccaggctca agcaatccta cctcggctgc cttagtagct 300
 gggatcacag gtgcacacca ccatgcctgg ctattttttt 340

<210> 31944
 <211> 347
 <212> DNA
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<400> 31944
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 aagcaagata ccaggaggat agaatggtaa gtgagcctag aaatagacta ttatatacat 120
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<210> 31945
 <211> 120
 <212> DNA
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<400> 31945
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<210> 31946
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 aaaaaatggg aacagtagtg tcttcctaaa ggcaccatgg acttaaaatg aatggcacgt 240
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<210> 31947
 <211> 174
 <212> DNA
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 cacgctgccc tcgtgcccgc ggttcynbga agtcgaatgc caggcagagg cgac 174

<210> 31948
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 31948
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 atactctgca aaaggtggcc ttgttaatgg tktgctckct aaaacatctt tgtttttaaa 180
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 aaattgggcc tc 252

<210> 31949
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 31949
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<210> 31950
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 <212> DNA
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<400> 31950
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<210> 31951
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 31951
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 atgttaccat ttaggttact gatataatgct tttttttttt 100

<210> 31952
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 31952
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 agggggagca accaggggaa aatgaagata tcacc 155

<210> 31953
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 <212> DNA
 <213> Homo sapiens

<400> 31953
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 cagcrtgrc taaaagagaa gcagaggagc tgatagaaat ngagattgat ggaatc 176

<210> 31954
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 31954
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 aatagaaccg gtaactccca gccac 325

<210> 31955
 <211> 335
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<213> Homo sapiens

<400> 31955

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cacagaatgt	gagaaaaatat	tcgcaaaacta	gccatctgac	aagggattaa	taaccagaat	240
attacaagct	ctaacagctc	tataggaaaa	acatctaata	atccgattta	aaatgggtaa	300
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<210> 31956

<211> 440

<212> DNA

<213> Homo sapiens

<400> 31956

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<210> 31957

<211> 311

<212> DNA

<213> Homo sapiens

<400> 31957

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taattgaacc	cagctatagt	atttgcaaat	gccagacatt	tctctctcta	tttgcagata	240
aaaacaagaa	acttgaaagt	ttacatcctt	agaaggagaa	taacacacca	tagtcaacwm	300
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<210> 31958

<211> 274

<212> DNA

<213> Homo sapiens

<400> 31958

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agarggagca	gtgaatgrag	tcgtgaagag	gtgtgtctt	gaaataactgt	atttttttcc	180
tccttttctt	ttctgaacat	tcttgtgctg	acctttcctc	tagtccaaca	gaggcattca	240
caattgcctg	tggaagaatta	ggattgccgc	aaca			274

<210> 31959

<211> 66

<212> DNA

<213> Homo sapiens

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acacgc 66

<210> 31960
<211> 56
<212> DNA
<213> Homo sapiens

<400> 31960
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<210> 31961
<211> 229
<212> DNA
<213> Homo sapiens

<400> 31961
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<210> 31962
<211> 163
<212> DNA
<213> Homo sapiens

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<210> 31963
<211> 72
<212> DNA
<213> Homo sapiens

<400> 31963
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atatatgtat gt 72

<210> 31964
<211> 106
<212> DNA
<213> Homo sapiens

<400> 31964
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<210> 31965
<211> 432

<212> DNA
<213> Homo sapiens

<400> 31965
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<210> 31966
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<212> DNA
<213> Homo sapiens

<400> 31966
ctttagagttt tctgcctgcc taatactgga ggctcacct tctgtcccca tgtgaaaaag 60
aaaaacctag acccaagctc tgtggcctct atccaagact aatatccttc gtgtgctttn 120
acttatttgt tctatatttc ggtttcttcc ttggttctga tggctgaagc tgctgtttta 180
tttaaccttg atgatgtatt ttaaaaatat atttcttaaa acttttccag cacttttata 240
tgtttgcatg gggagggtatt tcttctgtat tcaacttagt ccttttcatt cctggaarnt 300
tcccacaagc acctgaaaca tacaaatgtg tcaatatatt gttttgtaag ggttgtcctt 360
ctcagtattt taatttcaat ttcttccaaa attttggctc taaaatagct ttggaaaaca 420
aagagaatat attgtagaat aattctgagt 450

<210> 31967
<211> 481
<212> DNA
<213> Homo sapiens

<400> 31967
tcagggttaa agagatcact agctttttaga aggaggtgga tattttgact tgggaaaaga 60
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acaggaagaa gtccctggaga tttatcctgg aaatctttgt cagagaagag actggggtat 180
taaactgatg gatgaggcca ggcacggtgg ctcatgcctg taatcccagc actttgagag 240
gctgagggtg gtggatcact tgaggtcagg agttcaagac cagcctggcc aacatggcad 300
daccctgtct ctactaaaaa tacaaaaatt agccaggtat ggtggcccat gcctgtagtc 360
ccagctactc gggagtctga ggcattgagaa ttgcttgaac ctgggagagg gaggttgagc 420
cragttgcga ttataccact gcactccagc ctgggtgaca gagcgagact ctgtctacat 480
a 481

<210> 31968
<211> 474
<212> DNA
<213> Homo sapiens

<400> 31968
ctaactctct gatctctgtt ttattctctc ttcatgtaaa ttgtcccttt ccttgacttt 60
ttccatagat caaatccagc agggatcaag ctttggctga acattgtctt gctgcaactaa 120
ccgaatgtgc tgctagcgga gatggaaata tcctggctct tgcagtggat gcactctggg 180
caaggtgaag atatataagt ttggagggtt ccaaagacta aaagttgacc agtttagctt 240

ttcagagtat	acttaaataa	aagggttgatc	ctgtaaacca	tgtgagccca	aaagaaaata	300
atggcatcca	tcgtaaattt	aattcttatc	attttaaaat	ttctgtattt	aaaacattca	360
tgttttgagt	gaactgtatt	aataattgtg	tattttactg	tggctgagga	attttaaaac	420
tattgaaatg	aatccatttc	actgattcgc	aggttgaaat	gtgttgact	actc	474

<210> 31969
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 31969						
tatactgtgc	aaaaagcaat	cgtgagacct	ggagtgaaac	tttaaaaatg	ttgctagaag	60
ggccgggcac	ggtggttcat	gcctgtagtc	ccagaacttt	gggaggtgga	ggcgggcgga	120
tcatttgaag	tcaggagttc	gaaccagccc	ggccaacatg	gtgaaacctc	atctgt	176

<210> 31970
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 31970						
caagaatttt	ggtgggcatc	gaatcctaca	taatgaaaaa	gaaaaacaga	ccatttaaaa	60
actcagacaa	gatttatatt	aatatattaa	ttactaaaaa	ggcacaagat	tacactgaac	120
atattagcta	ctaaaaaggc	actgctaaga	cattcaagca	aatagctatt	acacactact	180
gcagatttta	caggtttcta	attctaacat	atgtttgaaa	aatccgtgag	'tattccaaaa	240
tatatattaat	aatggaatat	ctgcattaat	ataccatcca	tgtgttttta	ccatttgcct	300
taatattgaa	tatactgttt	acctcacact	aaaaagaaaa	ccagaagcct		350

<210> 31971
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 31971						
cttgagccag	ctgcctaact	tctggaaact	ctggatctcc	tacgttaatg	gaagcctctt	60
cagtgaagg	tgtatacgga	ctcggctaga	ggtggagctg	agtcactgtg	catttctggg	120
ctttaaaatg	ttagatttaa	gtgatttttt	aaaatgtaga	ggccaacat	ctctagccat	180
cgtcatagtt	taaaatcagt	taaagcatta	taaagccctc	tcacttagta	gctgtgtgac	240
ctcgaacaag	tcacttttcc	tcatgtacaa	aaagaatagt	ctgggcacct	gtctcaaaag	300
gtggttgtag	ggattaaatg	agataggcaa	ttaaagaaaa	aagaaagctc	gaactctttt	360
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tgtgaacaaa	tgaggaacaa	ggatagca				448

<210> 31972
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 31972						
cttgcttgta	aacataagca	tgtattatta	cctaggcttt	gaatttcaaa	atacgggtgta	60
aactactcat	ggtaatatag	atcttggttag	acaaacgttc	atgtaaaaaa	tgatctgcaa	120
gcattactgt	ataaagaaaa	ataacctgga	ttacttgaat	agaatggttt	acagtgtcta	180
gttaaagttg	atacttcttc	tacattgcag	tattagggtt	tttttttttt	tt	232

<210> 31973
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 31973
 acccacgaaa tgcttaaaaag gtccccgggg ccaggagaga cccggcatcc aaggtgtgcc 60
 acagctgagc ttcacccgga tatatagacc agctctcccc acgtcccagc accctgcctg 120
 gcagcgcaat ggaaccgagg atggggctgc aggacgatac cagcacttca ggaactgtga 180
 cagaatcttg ctccgctgcc aaggctggag tgcactgggt caatctcggc tcaactgcaa 240
 ctctgcctcc cagac 255

<210> 31974
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 31974
 tccataataa agctgtttta tttgttatca cctgcctggc tctaaatccc tctattat 60
 cttaactag ttcaagtcac atggccttct tgttatagtg cttatcttca gctgcatatt 120
 ttagttatat cttccaataa gtttgggaag agttgtcacc agcaac 166

<210> 31975
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 31975
 cacacaatta atattaatgg ataactaatt ggagtaatga ttattagcta ctgaatgctg 60
 ataatagaag tcatatttaa atgcttactt agttacttaa gttagtcaag gactctgaaa 120
 aaaataaggt ttaaagttaa cagtgtcatc agtcattccc agttatcttc ttatttaaga 180
 acaagatggg aatgcagttg cctttgttta tttaaataga aaaaattaaa tcaggataaa 240
 atgacccaac tacagtgatg tatttggaac cactacttct tatctttcaa tatagacttt 300
 tattttctgga ttaccataga tggaaatagt attactggac atatgttggt aggtattttac 360
 ttctgtgttt ttctttttcc ctttaatttcg aataacttcta gctacaaaaa ttgtcataaa 420
 actttgcaac acactatacc tccccac 447

<210> 31976
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 31976
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 gccagtacag tctttattaa ttagacaaac atctggctcc tgttggcata atgcctttta 120
 aaaatataag atagagcctt tttctaagat aaaattactt atgtcaagag cactctatac 180
 agttccctt tctgcacatt ctttcagca tct 213

<210> 31977
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 31977

cagccagctt	gtgggtcccat	tattctttat	attgtttttc	ttagcacacg	ctagcaaaga	60
tagatgccta	ggacttttct	tggctattgg	agtttataga	aaaaaagttc	tttgttgaar	120
gktagtcctc	caccagaata	atacaccctt	tttcccctta	gtagaagtcc	aatgtttaat	180
cttgctatca	tatatgtatg	aatgccca				208

<210> 31978

<211> 317

<212> DNA

<213> Homo sapiens

<400> 31978

acactcagaa	caaaggggaag	gagagaattg	gctcttgaga	aacagcgcta	agaatggcag	60
cagaatgctc	cgtcactata	tgcagaaaaca	agacaacttg	aagctaaatg	gaagcccttg	120
cagagtcaac	aggtccagat	tcacagtgc	cgccctgagc	tacagcccct	ccaaaaggca	180
tcttccccca	gagcctcaat	gccaaagcaag	gagccgtcaa	gagtcctgcct	tggttgtttt	240
gttcttttta	caaaccgtac	agatatacaa	ttgataactc	aggatttcta	gtcaataacc	300
agatagttaa	caccatc					317

<210> 31979

<211> 376

<212> DNA

<213> Homo sapiens

<400> 31979

cataaaaagg	catatataga	aataaataga	aaagctgctg	agtctatggt	aaaattttat	60
acctgcttcc	cagtattgat	ggatggaaat	caactctcaa	taagtatggc	tcctgaaaac	120
aatgawtata	aaagatgagg	aagctatatt	tataaccttg	gtaaaagaaa	atgaccacga	180
ggcaaacata	gatacaatct	atgatcgatt	tgtacatctt	gataatttac	cggaagatgg	240
acttcagtg	gtactttgtg	ttggacttca	gtttggaaaa	gtggatcacc	atgtattcat	300
aagtaataga	aataaggtaa	caagttccct	cataanntag	ctattcattc	tgtaaagaat	360
gtataataac	hstggg					376

<210> 31980

<211> 267

<212> DNA

<213> Homo sapiens

<400> 31980

gatcttttaga	aaagatatatt	agtgatttaa	ggagaaaaat	acttattcct	cctatcatta	60
ctcctaaata	aagagtagat	caaaatttgc	ttagggcctg	ccctctccag	aatagcactg	120
gracagaagt	gctakatttc	ctggattcca	caccatagc	agaaattgtk	aatcatkatk	180
gatattgtkt	ctcacagggt	ctggttatag	tctcagaatc	katttcatca	kagtactgga	240
gtkacatact	attaatacta	acccaat				267

<210> 31981

<211> 472

<212> DNA

<213> Homo sapiens

<400> 31981

tattgtttct	aatccttatt	tatcctagtc	ttagagagtt	tatttggtatt	acgttcttta	60
aaaagtaatg	tatgagcaac	ttcagaaaaa	ctggcttttag	atagtttgta	ggccaatags	120
catkgggaag	catttttggt	aggaaatcat	tttataaaga	ttatttttaa	aaaaaaagcc	180
tgtctgggtc	ctcagtaaaa	tttaagactt	attcataaaa	attcatccta	taaaaattac	240

tctaaacaag	ggcttggatt	tttaaaaact	ttataattag	cttatattaa	tggattcata	300
gtttaccctt	tttaggggtt	tttctatgtg	tgcatttttc	gagtttgctt	atatacgtaa	360
catgttgang	ttctaaattt	atgtgctttt	taaaccaccc	agtagacaaa	cgaggagtgt	420
atattttctg	atatgtaaat	tgaatttata	gtacgcattt	ctaatgaaag	ca	472

<210> 31982
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 31982						
atttcaatct	attcctatat	gttagttatt	gaaaaacaat	agacaatcac	aaaaacaagt	60
tgacattttt	gtgttcctta	agcccagtc	tgaagggccc	tcgtgamtgg	gcctcatggc	120
caaacarctt	gtkacaaaaa	gaghtagggt	cccagactgc	gccgaagctt	catgagaccg	180
atcctcgtct	gtggacagag	gagtagctga	ctctgaagcc	caggctgttg	ctatcbagtc	240
tggtggtgaa	tcctccacag	tctggtggtg	ccttgacatt	attggttcac	caacagagca	300
gactnvktca	gccatcaata	ataattcaac	gcacagcatg	gaggcctacg	catgggccac	360
agaggatatg	taatgactta	agataccaac	tccacattct	gtggtgaagag	mtgaagat	418

<210> 31983
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 31983						
caagactgct	tctaacctca	aagagcccac	taactatagc	cgtgccatga	gattctctgt	60
tgcccaccta	aaagcatact	cctgtcccac	tctagcacc	tggagtatgs	acccggatca	120
tcaccagca	tctgtcacct	gacctgaag	aagctgagaa	gcagcagctt	ccccatggga	180
cctgtcctgg	agttcttttg	ttctggtaag	tccagaactc	tccaccggcc	gccgtttatt	240
ctccaccacc	aagtagtgat	gtgtggggaa	aatgctttgg	attttaaggt	atagcaactg	300
nttcataaaa	ccattatgta	tctgctttct	tctttaatcc	attgcttgga	acccttagct	360
gcaattagaa	tcacctgggg	agctttttaa	acataaactg	ccctgtccca	gtccaagaac	420
gatga						425

<210> 31984
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 31984						
tttttaagaa	tagcattagt	atttatgttg	aagagtagtt	tttaattctt	tggccttctg	60
atctcttcag	ctttgttttg	agacagtctc	tttctgccac	ccaggctgga	gtgsaatggt	120
gsaatctttg	gatcactgta	accgctgcct	ccagggttca	aacgattctc	ctgcctcagc	180
ttcccaggta	gctgggatta	caggcgtctg	ccaccwcgcc	cagctaattt	ttgtattttt	240
agtagagacg	gtttcaccac	gtttgcccaa	gctggtcccg	aactcctgac	ctcaggtaat	300
ccacctgc						308

<210> 31985
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 31985						
aataaatata	aataaaactgc	acaaggatta	gaaaaggaga	caagatccag	aagggtattct	60

ttaagaacgt	ttttatatta	acaaccttgt	accaatgaaa	tctgttgtat	acaaaaagga	120
agcaggaggc	caggtgtgat	ggctcatgct	tgtaatccga	gcactttggg	ggctgagaca	180
ggtggatcac	ttgaggtcag	garttcgaga	ccagcctggc	caacatagtg	aaacctcgtc	240
tctactaraa	atacaaaaat	tagctgggct	tgatggcaca	tccctgtaat	cccagctact	300
agtgaggctg	aggcaggaga	atcgcttgaa	cccaggaggc	ggaggttgca	gttagccaag	360
attgt						365

<210> 31986

<211> 245

<212> DNA

<213> Homo sapiens

<400> 31986

gagagccgag	gaaaactgag	cgtgggcctc	agaaagaagt	taaggcaccc	gcgagccggg	60
caactgccct	ccttccgcgc	cggcggagcg	attaaagtga	agaaacaatg	gccagcaatc	120
acaaatcttc	agcagctcgc	cctgtttcaa	gaggtggagt	tgggttaaca	ggaaggcctc	180
cttctgggat	acgacccta	tcaggaaata	ttcgagtggc	aactgcaatg	ccacctggga	240
cagct						245

<210> 31987

<211> 131

<212> DNA

<213> Homo sapiens

<400> 31987

cgtaataact	ttttgtggaa	tctaataata	tcacagtatg	gacacaaaat	agtttggatt	60
tttttaaatt	attaatttca	accatgttcc	atcaaatttc	tctctctcca	caactaatga	120
taccttgccc	g					131

<210> 31988

<211> 211

<212> DNA

<213> Homo sapiens

<400> 31988

aaaatagaat	acatatataa	attttgcagg	aaaaaagtat	gatagaaaaa	tgtgcctagt	60
ataagaattt	ctgtcaattc	agtaagtaaa	atctagcaat	attagacaaa	aataatggta	120
ttaacatttg	tatcttctct	tgacagtttt	aattgataaa	gaccagagtc	caaaatggaa	180
accagctgat	ctaaaagaag	ttactgagga	a			211

<210> 31989

<211> 264

<212> DNA

<213> Homo sapiens

<400> 31989

cagtatgtat	cttaactgac	ttaaaatgtg	ggatgatcag	atacgtgcct	cctaattgtaa	60
tccagtaaga	agtataaacc	accacctgtg	gaatgttctt	gctaaagaaa	ttgaatctgg	120
atctatccaa	gcttctagat	ctactgacca	gttcacagga	aatatgaggg	gtaaaggaat	180
acgttaaaat	gacacttggg	cacttagata	aattacctag	tttcttttaa	taaattaata	240
aagaagcact	taaaaagga	acga				264

<210> 31990

<211> 445

<212> DNA

<213> Homo sapiens

<400> 31990

ttgtcttggc	tatacgggat	cttttttggg	cccatatgaa	atttaagtag	cttttcttaa	60
ttctgtgaag	gaagtcaatg	gtagcttgat	gggaatagca	ttgaatctat	aaattacttt	120
gggccgtatg	gcatttgggc	aatattgatt	cttcctattc	atgagcatgg	aatgtttttc	180
catttgttca	tgtcctctct	tattttgttg	agcagtgggt	tgtagtcttc	cttgaagggg	240
ttcttcacat	cccttgtaag	ttgtattccc	aggtatttta	ttctctttgt	agcaattttg	300
aatgggagtt	cactcatgat	ttggctctct	ttttgtctat	tattgggtga	taggaatgct	360
tgtgattttt	gcacattgac	tttatatcct	gggactttgc	tgaagttgct	tatcagctta	420
aggagttttt	gggctgagac	gacgg				445

<210> 31991

<211> 210

<212> DNA

<213> Homo sapiens

<400> 31991

tccttctatt	atataaagcc	accaagattt	aatttcttct	ataagagcaa	aatttatata	60
aagcaaattt	ggtcaagtaa	aaatgcttat	tgaactcatt	ggtagaaaact	atttcattgt	120
tggktatgtg	gramcaggat	aataagggtgc	aataactctc	tgaattaaag	tgaaacttta	180
attggaaatg	gaagaatata	tggcctgcac				210

<210> 31992

<211> 124

<212> DNA

<213> Homo sapiens

<400> 31992

gtactggggc	ggttcagtcg	cctcagccgc	ggtgtgaggg	agcgggagtc	ttccttagct	60
tctccgccat	gggtgtcgct	tcgtagccgg	gctgctccgg	gaaaggcctc	gtacagcacg	120
caca						124

<210> 31993

<211> 346

<212> DNA

<213> Homo sapiens

<400> 31993

tatattgttc	atagttggag	gtattgatgc	atgtgttggg	ttgccaacat	atctctatga	60
tattgatctc	tatttgcttg	acggctgccc	ttcttaagat	catgaattac	aatatattca	120
aatttgtttt	ttctgaaamc	aaggaagaac	agatgaggca	gtggagtgca	ctgaaggtag	180
tgtaagtctt	tggttngaaa	ccaaatctcc	tgcatgctag	ttactcttgg	gattgggtgga	240
gtgcttttag	cctactgagt	gcagtgatgg	aaaaaataact	agctgtaaga	aatgattttg	300
attgaagaat	attgtatttt	aatctttgaa	gtttttataaa	tggaca		346

<210> 31994

<211> 97

<212> DNA

<213> Homo sapiens

<400> 31994

gaggrracaa	atgaccggga	gactcttgaa	ttgttcttca	agtatatgtg	tgtctcagtg	60
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gcaaagaatg gtgacccact ggtatctatt tccatct

97

<210> 31995

<211> 447

<212> DNA

<213> Homo sapiens

<400> 31995

gttatgtagg	taaactcatg	ccgtgggggt	tcattgtaca	gattatgtca	tcacccaggt	60
actaagccta	gtacgcaata	gttatTTTT	ccgttcctct	ccttcctccc	accctttacc	120
ttcaagtagg	ccccagggtc	tggtgttccc	ctctttgtgt	ccatgtgttc	tctttattta	180
gctccaactt	ataagtgaga	acatgcagta	tttgTTTTct	atttctgtgt	tagtttgcta	240
aggatgatgg	cctccagctc	cattcatgtt	cctgcaaagg	acatggtttc	attctTTTT	300
tttatcgctg	tttagtattt	tgtagtgtat	atgtaccata	ttttctttat	ccagtctagc	360
attgatggac	atttaggtag	attccatgtc	tttgctactg	ggactagtgc	aatgaacata	420
catgtgcata	gttccttaca	gtacaat				447

<210> 31996

<211> 160

<212> DNA

<213> Homo sapiens

<400> 31996

taaattttta	gggtctaaaa	ttaatagggg	gctgggtgca	gtggcacatg	tctgtaatcc	60
cagtgccttg	ggaggctgac	gcgagaggat	ctctagagcc	caggaattca	agttaaacad	120
gagcagcaac	attagcaaga	ccccgtttta	aaaaaaaaaa			160

<210> 31997

<211> 147

<212> DNA

<213> Homo sapiens

<400> 31997

taaatttgcc	ttttgcgaga	atgacatatg	aatgaatcat	acagcacata	gtctgagtat	60
ggcttctttt	tacttagcat	aatgagattc	atccatattt	tttcttgtat	tggaagttcc	120
tttttatttc	tgagttagtag	cccacat				147

<210> 31998

<211> 215

<212> DNA

<213> Homo sapiens

<400> 31998

gtttttatct	ttctaggaat	gtgtccattt	tatctgagtt	gtttaatttg	ttggcatata	60
gttgccatag	tttatccttt	tcatttttgt	aaggtttagta	ataatgtcct	ctctttcatt	120
tctgattcta	gtaatgtgag	tcttctctct	ktttttbcta	ggccacacta	gctggatatt	180
agtcagtttt	gttgactttc	caaagatgag	cgtat			215

<210> 31999

<211> 376

<212> DNA

<213> Homo sapiens

<400> 31999

ctaacaatc	ctgcaagtat	actaactcac	aaatagtaga	tagtacaacc	agaaggactt	60
tgaggagctga	atccaactaa	aatctagtct	aaaataatcc	acaaaatagt	aagaggtrta	120
cawttttttt	tbcatttaat	attaagtctt	tttgtggctg	aacatcccct	tgrtatttat	180
tttggtctaa	gcagackggt	ttgtgtgtgt	gtgtaacctc	tgtttttata	ttctgaggtc	240
tctgtgtata	gaaacttaag	gagtcttccc	attatatattg	tgtagcagcc	ccttctctan	300
mgtcwacctg	tctwctgatc	tttcttaata	gaaagatttc	aragttaaaa	tcagggrctta	360
tgcagccatc	ttatct					376

<210> 32000

<211> 174

<212> DNA

<213> Homo sapiens

<400> 32000

taaaaattag	gggacttttt	ataaaatctg	aaaaaacaca	aaaaagatta	cagacgcatt	60
aacagttaca	aaaagcttat	gggtgtttta	gatactttca	accagttttg	tttggaaggt	120
tttyccccc	ttcaaatagt	cattattgtc	ttttcttttc	tttttttttt	tttt	174

<210> 32001

<211> 144

<212> DNA

<213> Homo sapiens

<400> 32001

acacatcttt	tgagccccaa	tttgcccatg	agttgccctt	agattttttt	agttatgtga	60
gccaatacat	ttcctaaaac	aggtaaaatt	atgttttttag	acactgataa	ccaaaacagg	120
tcraamctaa	tgcttacggc	aaac				144

<210> 32002

<211> 245

<212> DNA

<213> Homo sapiens

<400> 32002

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ttaatttcct	yckgtgaaat	aaagtcta	accatatattt	ttttgttact	taaattgttt	180
cagcttttagc	cattggagct	tttcaagtgg	gctcctgtat	ttttttttga	catgctccac	240
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<210> 32003

<211> 148

<212> DNA

<213> Homo sapiens

<400> 32003

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<210> 32004

<211> 275

<212> DNA

<213> Homo sapiens

<400> 32004

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attttgktyc	ccttggttga	atgccacaac	ctgattttctc	ctttcttagg	atgccacagg	180
tatagtatac	tactttctat	ttatataaat	tattttaacat	taagcttaaa	taaattgggt	240
gaaaatgttt	agctagaaaa	aataaaatgg	ggcgt			275

<210> 32005

<211> 186

<212> DNA

<213> Homo sapiens

<400> 32005

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tttaaaatga	aaactagcag	gcaaacacct	aaataatcga	aaattaccaa	gaacaacaac	180
gaaacg						186

<210> 32006

<211> 262

<212> DNA

<213> Homo sapiens

<400> 32006

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tcgagagams	ggggcggggg	cagcccaccr	atgctggaac	ccgabggghg	kgcgaggaac	180
gctggactgg	gagcaggacc	cttctcgctt	cggacaagac	tccttgctctg	gggacccagc	240
scgacttcat	tgtagctggg	tc				262

<210> 32007

<211> 450

<212> DNA

<213> Homo sapiens

<400> 32007

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tgtaagcagg	tgaaataaat	gatggaraag	aayagccagt	aaggccacag	catggcactc	180
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tcagaaatgg	actgtgactt	gctctcacag	agctcgtgat	ggggctggat	gtgtctatat	300
ttaakkaata	tcagttataa	aaacttctgg	gtatttgaac	ttcctaattt	gcttggattt	360
tgaataaaaag	gttttttgta	taatcgttat	caactgtgaa	aggsataaaa	taatgttaat	420
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<210> 32008

<211> 370

<212> DNA

<213> Homo sapiens

<400> 32008

agtccggtgc	aggacgtggg	gcttttgacg	ctcagctggg	tccggctggg	gaagatggcg	60
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<211> 99
 <212> DNA
 <213> Homo sapiens

<400> 32013
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<210> 32014
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 32014
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 atatcctata agagtatact tatgacttcc agaaaagatg aaattattca acaaaatata 180
 aaagtgcaaa ctgcagaggt aaagtttaaa atgcattaag atgactatca gaaattctga 240
 tttctaacca tcaaantcaa tgaaaaaaa acaaaagaac tacacactga gagatgatat 300
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<210> 32015
 <211> 393
 <212> DNA
 <213> Homo sapiens

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 atgtcttttc aagttgcaca agaatttgag catatataat ttaccacaaag cataatggac 180
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<210> 32016
 <211> 475
 <212> DNA
 <213> Homo sapiens

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 attttccttg tccaggactg tgaaggaagg gtttctgaca tgtcgtggag ggaatttccc 240
 agtggcacct cttcagtag gaggattgcc atgtgtgtga gtgtgcaggg gtgtgtgtag 300
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 caactcaagt ttattgctta ataaaattaa tgatgataga taacagtcac gactaatatt 420
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<210> 32017
 <211> 367
 <212> DNA

<213> Homo sapiens

<400> 32017

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aggcctggaa	rgcaatgggg	cccatacttg	gcctctccan	ggtgagttgt	gacccaagtg	180
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cagtgttggg	gatttcattt	cttataatct	ccttaggagc	acagggtttg	gtttgtgcct	300
tttttgatc	aggttccctg	cattgcagct	gctataatta	anactattaa	caacaacaca	360
gacccac						367

<210> 32018

<211> 205

<212> DNA

<213> Homo sapiens

<400> 32018

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agrtgcaatt	ccctggtaac	attttakgcc	attcaggagt	tccagaccag	cctgggaaac	180
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<210> 32019

<211> 440

<212> DNA

<213> Homo sapiens

<400> 32019

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agrgsagttg	ggamggbcna	gagctttttg	gttctgattt	acaaattaat	gaagtagttt	180
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agcacaacaa	atcctcagat	gaattagaag	aaagaggttt	ggggactcag	cggatactag	300
ttcttttack	tctgcttggg	aacttagatt	aaactgagca	ttgtttttct	gtcacaaatg	360
ttttccttat	gacactgggt	tcgacatgta	aaatgtgttt	gaaaacctgc	ttttagatg	420
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<210> 32020

<211> 377

<212> DNA

<213> Homo sapiens

<400> 32020

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tattgctgam	stcactgtat	cactgagtg	aggggtgtgt	agcaaggagg	aggcagggga	180
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gtttgaggaa	gggcccac	aattcatttg	gagagcttgg	ccaaatactt	tctcattaaa	300
tcagcaccta	aacttgatga	acttaaagtt	tgtttattag	agthkaaaac	attaaaagat	360
gactgatact	aatggga					377

<210> 32021

<211> 443

<212> DNA

<213> Homo sapiens

<400> 32021

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aaaacactga	aatgtttacc	tacaaaatat	ggcaatttat	aagctaattt	tcttctacct	180
aatacatatn	dttaggtagc	atthtttaca	attgatagg	atthttaaagt	caccaattaa	240
aaggcaaaac	ttgtcagatt	ggataaaaca	agacccaact	atgatggcca	taaggcatga	300
tggcattgca	ctthaaatat	aaatacacaa	ataagttaaa	aggaaaatga	tagaaaaaga	360
tgtatcatgc	taacactagc	caaaagaaag	ctgggtgtagc	tatattaaat	attgagcaaa	420
ataggtgtcc	agcaaagtta	cta				443

<210> 32022

<211> 59

<212> DNA

<213> Homo sapiens

<400> 32022

gggacgygsr	aaaatgacta	sgcgtcactc	rtgatgtcgc	gcatccgrta	ggccctttt	59
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<210> 32023

<211> 117

<212> DNA

<213> Homo sapiens

<400> 32023

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<210> 32024

<211> 140

<212> DNA

<213> Homo sapiens

<400> 32024

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ttgtttgaga	tggagtcttg	cactgttgcc	caggcaggag	tgcagtggcg	cgatctcggc	120
tcactgcaag	stctgcctcc					140

<210> 32025

<211> 285

<212> DNA

<213> Homo sapiens

<400> 32025

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aaatcccttt	aaatcccttg	ttacttgact	ttagccacac	caagcagtta	agattthtcgg	120
ctthttgaac	tttacagaaa	gtacccttat	aggtgaaacc	aacgagcctt	aattagggtta	180
tgattthatt	acgagtgtac	aaggtatttt	ttaaaggagt	atagacagct	tttgaaactg	240
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<210> 32026

<211> 427

<212> DNA

<213> Homo sapiens

<400> 32026

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aacagggtatt	tgcataggaa	tcagaggagt	taatcttgct	tcttctcaca	ggtttgaatc	300
ttcagacaaa	cttctgggag	gactcgggtc	cwghctcgca	gcagatgttc	cctgtsactc	360
agtaggcata	tggctaccca	ttctccccag	aaatctcacc	agtgtgctca	ctgtgagaga	420
cgttcaa						427

<210> 32027

<211> 217

<212> DNA

<213> Homo sapiens

<400> 32027

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gacaagaagt	cgtaggggtg	gaggggtgaa	gctgggaaac	ccacaggagg	caaccacact	120
artttagayc	ttctggtgac	cccacttctc	gctgctcatg	ccgctgggac	tggggcggcg	180
gaaaaaggcg	ccccctctag	tggaraatga	ggagaca			217

<210> 32028

<211> 250

<212> DNA

<213> Homo sapiens

<400> 32028

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gaaagctttg	acctaataa	tatatgtttc	agaaaaccta	gaacaaaag	taaaatgrta	120
awttaatttt	caaaccacac	caacaaacag	aactgtcctt	aaagcttctc	cttttagaag	180
agtttcagtt	aataaataaa	tgtagaagga	attagagaaa	tacaaagttg	ccattagaac	240
ccaggaggtt						250

<210> 32029

<211> 185

<212> DNA

<213> Homo sapiens

<400> 32029

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tactccagac	ctataaggaa	atgttttagt	tttatgaaaa	atgacaagtc	gatgggttaa	120
cttccccrkg	tctttggkgc	tttggcccta	atagcactgg	acaacaccac	gaccacatgg	180
aagct						185

<210> 32030

<211> 293

<212> DNA

<213> Homo sapiens

<400> 32030

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cacattgggc tcactcctgtg tgcgccagtg tgtactaggg sctggggwcc gagcccyckg 180
akgctgccct gcacccattt ccccgctctg tgcaccagcc cgtgtggcag ctcggtctcag 240
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<210> 32031
<211> 121
<212> DNA
<213> Homo sapiens

<400> 32031
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t 121

<210> 32032
<211> 355
<212> DNA
<213> Homo sapiens

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ggatgctgac agacagcacc aagaagtaat tgcaatttat cggacacacc ttcttagtgc 180
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<210> 32033
<211> 341
<212> DNA
<213> Homo sapiens

<400> 32033
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caattgcttt tttatccact catctttttt atccacgagc t 341

<210> 32034
<211> 92
<212> DNA
<213> Homo sapiens

<400> 32034
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ccttcactct cggcggttca ggaggctctg cc 92

<210> 32035
<211> 297
<212> DNA
<213> Homo sapiens

<400> 32035

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agaaaacagt	tttattttaca	ctagtataaaa	aaagaataat	ttaggaataa	atttaacctc	180
tacagacctg	tgccacttcc	agtatatcgc	aagatcttca	acccagttgc	ttaagggag	240
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<210> 32036

<211> 473

<212> DNA

<213> Homo sapiens

<400> 32036

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gctgtgctta	gtaccatggc	aatgatctca	aactggatgt	cccaaactct	cccatccttg	180
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taaaagagat	ttggagttat	aaagaaaagca	agagatagac	atcaataaac	aattacaaaa	360
cataaactta	tattatctaa	tattttactga	gccaattttt	ttttcaatgt	ccaagtacca	420
gatttcaaca	acatcattgt	tgaattaaact	cttgcaggat	aatgaatgta	aac	473

<210> 32037

<211> 409

<212> DNA

<213> Homo sapiens

<400> 32037

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ggaccggctg	ttgggggaaa	aaaagtgtta	gccgtctctc	ccggatctgc	aagggggaaa	180
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gggcccgggc	tggcgtgttt	tgatcgtttt	atgagctctt	ttcacaactg	aaagaagaaa	360
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<210> 32038

<211> 282

<212> DNA

<213> Homo sapiens

<400> 32038

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caacggaggc	agtgtgtgga	agcatgaatc	tcccagcatc	tctggatcca	gaagcctgaa	120
aacagggtgt	gctaccacc	cctccctaag	ccaatgggca	ggaaaaagaa	tttcctgaac	180
agatctcctc	gctgcttaaa	cacactgtct	cggtgaacag	tccagaccag	gcaaagtttg	240
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<210> 32039

<211> 477

<212> DNA

<213> Homo sapiens

<400> 32039

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atatccacta	tgctttactg	ataggtatta	ttgtagcagt	actaataagt	tgaattacga	180
aaagtcattt	tatgtaataa	atgcagggac	cattataata	tttaacacac	tagttttctc	240
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caaaaacaaa	acaaaaaccc	cagcawmkkt	ggaaagggat	ttagagatct	gctgccaaag	360
gaagactttg	taaaaggcag	ttggagggtt	tacatgtatt	agtgccaaat	tattgggttg	420
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<210> 32040

<211> 214

<212> DNA

<213> Homo sapiens

<400> 32040

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cacacagcac	acaaacacac	agttgtaata	aactggtcac	tatttatctt	ccattgagtt	180
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<210> 32041

<211> 402

<212> DNA

<213> Homo sapiens

<400> 32041

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ctcatttaaa	ggatctatat	tctatagttc	agttctgcat	ttttaatgic	ttctatatgt	180
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taacacttcc	tgtcttctgt	cccccaaata	tatacttctc	ccatgttctt	tattttcatt	300
aatggcttta	cwctccttct	aatgacctta	gccatgaaac	ccaggcatcc	tatttttgac	360
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<210> 32042

<211> 279

<212> DNA

<213> Homo sapiens

<400> 32042

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gggggttcat	wgtattagwc	tctttcagtt	tgtatgnctg	aaattttcca	taataaaaaa	180
gtaaacaaaa	aagatagatt	agactgatat	gtctgagatg	tttaccaata	taaaaatgtt	240
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<211> 198

<212> DNA

<213> Homo sapiens

<400> 32043

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aaccctgtct ctactaaaag tacaaaaatt agctggctgt ggtggcatat gcctgtgatc 180
ccagctactg gggagact 196

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<211> 146
<212> DNA
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tctggaattc cagaaatggt aattgctgct tgtattttgt cttgtttgtt ttttagccag 120
tatttggsyy tttctaatacc agccgc 146

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<211> 301
<212> DNA
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cagtgaacca atgatcatgc cactgcacac cagcctggtc gacagagcaa gacactcaa 180
aaacagaaaa ggatatttca aaggaggaag gaagagcctt ctcaataaat agtgctggga 240
aaactgaata tccacatgca aaacaatata gtggcactca taccatagac aaaatgatct 300
c 301

<210> 32046
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<212> DNA
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gctggraggc ycctaaagag taacaagagg aagagaaaca agaattctctg acacttggtg 180
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agaaatgcat tccacctcaa ggaggactta atttatggac ccgtgtgtgc caggctgagc 300
gggcaagatc tttctcagga caaactctgc catgcagcta aaagcctgga aactaaagga 360
tttcatgtag taaactatmn tccaaccctc atag 394

<210> 32047
<211> 321
<212> DNA
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<400> 32047
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gttttatgaw ctgtaagtcc aaggaatcct ctcccacat ttctttcccc ccgtgttcc 180
cccataccca cacttctttg ttccaattgg catgtaaatt tggttttccc gccaaatgag 240
tcagtcatga tgggaacctc aactgatttg aacagatgtg tgtcaatggt acttggaata 300
ctagatgtca ataaccagg a 321

<210> 32048

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<211> 280
<212> DNA
<213> Homo sapiens

<400> 32048
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atgttttggt tgcctttatg cagagagggtg ctccaagtgc tgtgattgag caccgtgcta 180
gaggaactgt aatgcttcag aagttgtagc ttatacaaaag gaaacagggtc ctgctggcct 240
aatttaaaca gttattgcat gaagtagcgt ggaggcccct 280

<210> 32049
<211> 425
<212> DNA
<213> Homo sapiens

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ggccaacaat gaargcgaac agtgadtaga gtttvgcada gctggtttat gtgggtctgtg 180
gccagactac aaggcgagtg ttatttytg acccaataa aaactataag ttttttctt 240
taaattcttt cggtaaaaaa tgggagccac ttattaaaaa aaccaagcat aatagttaaa 300
ctggtagcag tagataaagg gaacccggta gagaagccaa gaatataggt acactttgct 360
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gaccg 425

<210> 32050
<211> 433
<212> DNA
<213> Homo sapiens

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tttagatgtc agagggtggg agatttattt ttataaggta atttttatcc tgataaggrc 120
ttaaaaaaaa ggttttgcaa ctgaaatttt aaagtaaaca tgtnaagtac agttaaaaaag 180
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tggaaaagaa tggactgaag tctaaaaact ggaataatga aggacactaa atgcctttat 300
tgtagatact atgtttgtaa gtctatggct aagcanccta agccaaaaag gtctttcaac 360
tgaagcttta atcaacttat tttggagatg ttctcttccc ttatctcatg cgtcatccct 420
aaaataataa gat 433

<210> 32051
<211> 375
<212> DNA
<213> Homo sapiens

<400> 32051
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gatgcttcat agtcctactt ctaggcagtt ctgcatgaat ttctggtaat ccaggaggat 240
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<210> 32052
<211> 457
<212> DNA
<213> Homo sapiens

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cacttgraag catgaagaac cagttatata gggaacaggt ttctctcagt ggcacatttt 180
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<210> 32053
<211> 215
<212> DNA
<213> Homo sapiens

<400> 32053
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gtcttcatac aaagatgaag taatattatt agcttttaac acttttagta aatattggacc 120
attatctaaa aacttggntt tattaaccaa acattgggtt tvcttttcag cggggatctg 180
atgagcttct ttcttctggc atcatthaacg gacgg 215

<210> 32054
<211> 279
<212> DNA
<213> Homo sapiens

<400> 32054
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gacaaatgga ywataatttt gtaaaaggta tatgtaaaag gtataatata tctgagtgtc 180
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tcatttggaa gactactcca ttaaaataaa atacgaccg 279

<210> 32055
<211> 286
<212> DNA
<213> Homo sapiens

<400> 32055
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gtaacggcct tcttggacat tccaggccag gataacctgc ctccactcac tcgcctggag 180
aagtatgctt tcagcgagaa saccttcaac cggcagatta ttgccagarg gctrcktgat 240
aakcttcgga gacttcggtg acaatgaaga agacttcttc acggtg 286

<210> 32056
<211> 237
<212> DNA

<213> Homo sapiens

<400> 32056

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tgtttatcca	aaggtctggg	accattgtac	aggatcatta	atatacagtt	catctgtgtt	180
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<210> 32057

<211> 231

<212> DNA

<213> Homo sapiens

<400> 32057

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aacacggtga	aaccccgctc	ctactaaaaa	tacaaaaaat	tggccaggcg	tggtggtggg	120
cgctgtgggt	cccagctgat	cgaggaggctg	aggcaggaga	atggtgtgaa	cccaggaggc	180
ggagcttgca	gtgagccgag	atcgcgccac	tgcastctat	cctgggtgac	a	231

<210> 32058

<211> 389

<212> DNA

<213> Homo sapiens

<400> 32058

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atgaaaagat	cttgatatagg	ggtgtggaga	cggggagtg	gtagaagtgt	gtgaaggacg	180
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tggtgcctgg	tacaggcctc	ttttcttccc	tgaggcccat	gacatttctc	gttactctag	360
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<210> 32059

<211> 254

<212> DNA

<213> Homo sapiens

<400> 32059

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cccaaaaagc	tccgcagggg	ctgtagggag	gtaagagccc	cccgtagccg	gtcgtctcgg	120
cctccctca	gcctgtctgt	tcccacagg	ggcggggtg	accgctggac	ccgccgacct	180
gggcgctggg	tctggccctc	tkcctctggg	grcagagcct	gggccccgac	cgattccttt	240
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<210> 32060

<211> 425

<212> DNA

<213> Homo sapiens

<400> 32060

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ccagcartat	gggtgcagag	gagtggtgcc	tgcatagggg	gggcgtgtta	tgcccccgcc	180

ctggctgtgg	agcggggctg	ctgccggagc	ctgaccagag	gaaagtcacc	tgcgaagggg	240
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actggggaga	atggcttgcc	tgaggagcag	cgtaggacaca	ttggcagaac	ctctgggtctt	360
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<210> 32061
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 32061						
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tatttgagag	acaattgctt	tagccttatt	tttaattact	tagctagcat	gtaagctata	120
aangatakwa	cctaaatact	tgactctgtg	ctgtcaaagt	tcaaagtgtg	atttttaaaa	180
attcatataa	ttctaaactt	ttaacaaaat	tactgaagca	aagctctcat	atttgtctct	240
cattcttatt	gtataaaaaat	tctaagcaca	taactgtccc	ctttattgta	taattccaac	300
tacataactg	tcctattatt	acttaccagg	caa			333

<210> 32062
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 32062						
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tgccctgggtg	tttcattht	tatgggaatc	ctattgggtat	ttaggactat	gtcttaattt	180
tggggcaggg	cagagtatgg	aagtagagag	gatgggaagg	ggattgataa	gataaagtat	240
tgtttgtgaa	gactttgtaa	ataccatctg	ggcaatagaa	taatagaatt	tatttatgac	300
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<210> 32063
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 32063						
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ggaaatccat	cagctttgat	acaaaactcg	tgaagcatga	aataattaat	tctgaggaaa	120
gacctttcaa	atgtgaagaa	ttagtagagc	ccttttaggtg	tgactctcaa	cttattcaac	180
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gcattaatga	gaaattaatt	tggcatcaga	gacttcacag	tggggagaaa	cccttcaaat	300
gtgtggagtg	tgggaaaagc	ttcagctaca	gttcccatta	tatcacacat	cagacaatcc	360
acagtgggga	gaagccctat	cagtgtgaaga	tgtgtgggaa	ggccttcagt	gttaatggaa	420
gcctaagta						429

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 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 32064						
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agccccgggtc ttnhgagaat gaaaactggt tggaaactaa aggttcattg tgttaagtgc	180
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agattgatac attagccttt gctttttctc tttccggata accttgtaac atattgawdn	300
cttttaagga tgccaagaat gcattattcc acaaaaaaac agcagaccaa catatagagt	360
gtttaanata gcattttctgg gcaaattcaa actcttggtg ttctaggact cacatctgtt	420
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<210> 32065

<211> 211

<212> DNA

<213> Homo sapiens

<400> 32065

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gtgttcggtt aaaagccaga agttatgagc ttcaggaaag cartgtacgg ctgaagttaa	180
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<210> 32066

<211> 181

<212> DNA

<213> Homo sapiens

<400> 32066

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attaactgta ataagaggct ttttaaactt cccatataac taaagattaa taataaatat	120
gataagactc taccaatgaa ttttaagaaa agtcagtgcc aaatcagaat tagaggcccc	180
c	181

<210> 32067

<211> 150

<212> DNA

<213> Homo sapiens

<400> 32067

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<210> 32068

<211> 499

<212> DNA

<213> Homo sapiens

<400> 32068

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tattttacaa cttttaggaa ctattttttg tcctcctttt aaataagaaa aatatacaaa	180
aatttcagaa aagaagagta gtgttgaggg ttgaattgtg tcctcctcca aattcttatg	240
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tagaggtaat caagttgaat gaggtcattg ggggtgggct gtccagttwg cactgatgtg	360
cttataaaan ggagaaattt ggataccgag acactaatag aaggaagacg atgtgaagag	420
acctaggaaa aagatggctc tctacaggcc aggaagaaat ctgaaacaga tctttcctca	480

cagcagtcag aaggaagca

499

<210> 32069

<211> 151

<212> DNA

<213> Homo sapiens

<400> 32069

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ctgattcatc cagcaaatta agacctgcct t	151

<210> 32070

<211> 128

<212> DNA

<213> Homo sapiens

<400> 32070

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tgatgtcctg aagggtggaag agggaagaga ggtatgaggg ctgaggttgg gccaccgcgg	120
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<210> 32071

<211> 174

<212> DNA

<213> Homo sapiens

<400> 32071

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gtgtaagggtg tacaatatag cttataatag aaatttaaac taaaatcaca ttgaaatacc	120
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<210> 32072

<211> 480

<212> DNA

<213> Homo sapiens

<400> 32072

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gtttgttttag agcttggtct ggaatagcaa gaaacctaca taccctccga ctgctctcgc	180
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cagttacatt cccagttacc aagaacgcag gaggactact ttaatcccct ttgcaaaata	420
acaacaacaa tavaggcctc caggcagagc acattgagcc taattcagat tttttttaa	480

<210> 32073

<211> 473

<212> DNA

<213> Homo sapiens

<400> 32073

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ccatttgtgt	gtatdtataa	atatgaacag	ctgacagata	gggaatctta	actgattagg	420
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<210> 32074

<211> 387

<212> DNA

<213> Homo sapiens

<400> 32074

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aayaactgga	tatatacttr	rccttactta	attcacagat	aagttgwvnt	aactcagtat	300
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<210> 32075

<211> 243

<212> DNA

<213> Homo sapiens

<400> 32075

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cactttacac	aatcattakt	cttcaatagt	ggaccataac	cttcaccagg	tatcctatct	180
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<210> 32076

<211> 118

<212> DNA

<213> Homo sapiens

<400> 32076

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<210> 32077

<211> 254

<212> DNA

<213> Homo sapiens

<400> 32077

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gatgttgc	ttgcaaagat	tcaaaacacn	aatcaagct	ctaagaatgt	tgaagaaatt	180
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<210> 32078

<211> 212

<212> DNA

<213> Homo sapiens

<400> 32078

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atgccttgat ccatagtgtg cagcagttct catggagtag ctactccac cagggctgac	180
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<210> 32079

<211> 137

<212> DNA

<213> Homo sapiens

<400> 32079

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<210> 32080

<211> 131

<212> DNA

<213> Homo sapiens

<400> 32080

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<211> 299

<212> DNA

<213> Homo sapiens

<400> 32081

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aaatgtttcc tctggcagca tratattacc aaatwccmcc atattacctt ataattgcca	180
ttacagttcc ttatcaaaaa tgtaatttct ttgcttgagc aaaaatcaat aaaaccttat	240
gtttgaccct aaagtatttg atcagggaac agaagggtgtg aattggacag atccccctg	299

<210> 32082

<211> 287

<212> DNA

<213> Homo sapiens

<400> 32082

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ggtcacagg agcaccggga gcstgggtgac gccaggggtga gctgcttgw ctgtgagggt	180
ggagggaaga gatttattaa ccttagactt tgtaaagta tacatgtsrc gtctacatgg	240

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287

<210> 32083

<211> 372

<212> DNA

<213> Homo sapiens

<400> 32083

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gtgatccag	cactttggga	ggccgaggtg	ggcagatcac	ctgagggtcag	gagttcgaga	180
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gtgtggtagt	gcgcgcgcct	gtagtccag	ctactgggga	ggctgaggca	ggagaatcac	300
ttgaacccga	gaggcagagg	ttgcagtga	ccgagactgc	accagtgcac	tccagcctgg	360
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<210> 32084

<211> 421

<212> DNA

<213> Homo sapiens

<400> 32084

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caaacagatg	ttacacatgt	cctgaattt	ggaaaactaa	gatataata	tgtatccgtt	180
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attaaacatc	ttttaacttt	tatgtttatg	gnncagccca	caaaaattaa	aacttaataa	300
tggtccggct	tatgccagct	cactcaacaa	ttttgtcaca	cttgagcgt	ccaacattcc	360
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<210> 32085

<211> 392

<212> DNA

<213> Homo sapiens

<400> 32085

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garsccctgt	ctctactaaa	aatgcaraat	tagccaggag	tgagggcggg	tgcttctcca	180
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gtcaagatcc	tgccactgca	ctccagcctg	ggagacagag	tgaaactcca	tctcaaaaat	300
gaagaagaag	aagaaaaaaa	gaaactctat	gagcaatatg	atcaatttaa	agtaaaaatt	360
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<210> 32086

<211> 428

<212> DNA

<213> Homo sapiens

<400> 32086

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cagtaagact	ttccatcttg	gcagccatcc	tttttaagag	taagttggtt	acttcaaaaa	180

gagcaaacac tggggatcaa attattttaa gaggtatttc agttttaaat gcaaaatagc 240
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 atattttaact tataaatttt gctttctatg gaaataaatt ttgtatttgt attaaaaatt 360
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 cacattca 428

<210> 32087
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 32087
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 cacactc 127

<210> 32088
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 32088
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<210> 32089
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 32089
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 aracaaaaaa gggaagct 138

<210> 32090
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 32090
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 accttgaagt gcaaagagaa ggagtgtctac ctcaaaaaaga gagctttgtg gagaaggctg 180
 cctgatagca gctgtagtcc caggtagagg gtgagccacc acgcccggcg gttattacat 240
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 taagaaagtg tttataagga gaagagtctt cctagaacac taactt 406

<210> 32091
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 32091

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aagtaatctg cctgccttgg cctcccaaag tgttgagatt acaggcgtga gcgccgtgcc
t

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60
120
121

<210> 32092

<211> 135

<212> DNA

<213> Homo sapiens

<400> 32092

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ccatcccact caatattcag ttatataaag actaaattgt aaagttaact tcagtaattt
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tattycatgg tgggtg

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60
120
135

<210> 32093

<211> 214

<212> DNA

<213> Homo sapiens

<400> 32093

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gtcttattgt ttaagaaata ctattttgta acactatagg tgccataggt agtgattctt
ctgatggatc tgggcaaagt aaactgaaaa ctttctggaa aggattcacc attccaaaga
gtcattaaga acacttggtga tttatgggag ggcc

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60
120
180
214

<210> 32094

<211> 82

<212> DNA

<213> Homo sapiens

<400> 32094

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aargaagcgg cgccgccatc gcctcccggc gtcctctccc cgactcctaa gtccttcggc
cgccaccatg tccgctcggg ct

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60
82

<210> 32095

<211> 374

<212> DNA

<213> Homo sapiens

<400> 32095

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ttttctgttt gatgctttta atcaccttat tactattctc tattcaggaa gataaagtta
ttgtaattta aaattcttca catatccttt tctttatttt tttgaacata tttataacat
cttattttaa gtctttgttg tatggctggt tagctcagtt ggtagcatg tgggtgctgat
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60
120
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240
300
360
374

<210> 32096

<211> 337

<212> DNA

<213> Homo sapiens

<400> 32096

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ctaagagaaa	ttcagcctca	gccccagat	gaagatgggg	atcacagtga	caaagaagat	180
gaacagcctc	aagtgggtgt	tttaaaaaag	ggagacctgt	cagttgaaga	agtcataaaa	240
attaaagcag	aaataaangc	tgccaaagca	gatgaagaac	caactccagc	cgatggaaga	300
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<210> 32097

<211> 231

<212> DNA

<213> Homo sapiens

<400> 32097

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gaagggatcc	agtttcagct	ttctacatat	ggctagccag	ttttcccttc	atgctaaaaa	180
ctctcaataa	attaggtatt	gatgggatgt	atttcaaaat	aataagagcc	t	231

<210> 32098

<211> 216

<212> DNA

<213> Homo sapiens

<400> 32098

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ccataacaag	cctgtctatta	gctggtaaaa	agatacaaaa	tcttggcctg	ctttacaagt	120
cccagtaata	gcattcttgg	tcaatgatag	tctgtgtgaa	tgcttctatt	gtcagagagc	180
tcatagctgc	ttgtaaactt	ccataaacct	tggccc			216

<210> 32099

<211> 321

<212> DNA

<213> Homo sapiens

<400> 32099

cagtgatgaa	agagccagtg	ggcaaagttg	tacattgccc	aagcgttctg	atagcgaact	60
taaagatgaa	aaaccaaaga	gacctgaaga	tgagagcggc	agagactata	gggagaggga	120
acgggaatat	gaacragatc	aggagcgc	acttcgagaa	agagagaggg	tgaagcggca	180
agaagaagag	cgccgtagga	gaaggagcgc	tatgagaaag	agaagacttt	taagagaaaa	240
gaagaagaaa	tgaaaaaaga	gaaagacaca	cttcgggata	aaggaaagaa	ggctgaaagt	300
acagaatcaa	taggcagccg	a				321

<210> 32100

<211> 377

<212> DNA

<213> Homo sapiens

<400> 32100

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gaaacaatga	tcattctctga	gatagttagt	tgaagggaga	taggcaagcg	agtgtcaaga	120
atcatgccaa	atgatggaag	ggaatctaaa	ctgaaatgaa	cacttcgctt	agcacaattt	180
ccaaaacaga	aaatctccag	actttatgac	taatgaactt	tacgccccaa	cttggaagat	240
atgagaagcc	attagkcgga	taattctgga	aagagaagag	gaaaagttaa	gtgtgacaag	300

acacattcac atatagttca agattgtgtc atgtttccar ccavaaagag tcctatatag 360
tgtttgatag aagtcac 377

<210> 32101
<211> 221
<212> DNA
<213> Homo sapiens

<400> 32101
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tatagccaca gtatcattgt tacacctaag aaatttaaca ttaacctaata atcctctaaa 120
aagtatccat atttcmaagt tttctcaatt atcctaaaat atttttctat ttaggattaa 180
atcaagtatg catatagtgt cttctcttta tttttttttt t 221

<210> 32102
<211> 278
<212> DNA
<213> Homo sapiens

<400> 32102
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atgaggtgtc caagactgct gttcagcacg tatctaaaat gttgtttaac tacatcagaa 120
ggtaaatcta tagctgcctg aagcgaacta aaaagctgtg tcaatctggg gcagtggctc 180
acacctgtgg ynccagtgtc ttgggaggct gaggtgggag gatagtttga ggctaggagt 240
ttgagaccag catgggcaac atggaaagac cccccccc 278

<210> 32103
<211> 442
<212> DNA
<213> Homo sapiens

<400> 32103
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ttgtaaattt agtattcttt agtgtctagg atatgctggg tattatgcag aaatcataca 120
gtgtggccag tgtcctgagg taatgttttg catttaaaatt tttttagaaa gcagaatctt 180
aacttatctt aatgatattt acctatcctt ttgcaactc acaactgact ttgtcacaga 240
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ttttcccaa taaatttgac acaggcagaa aggtgggtga actctcagaa cttttgggtg 360
gtggatattc atctgaccag tgagctctga aatggttttc ctacacagag tgggttttgg 420
caagggttgg aatgaggggg gt 442

<210> 32104
<211> 120
<212> DNA
<213> Homo sapiens

<400> 32104
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aagtgatctg cctcctcag cctcccaaag tgctgggggt acaggcaggc atcagccacc 120

<210> 32105
<211> 147
<212> DNA
<213> Homo sapiens

<400> 32105
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 ttactaacat gatttaaccc ttgtgttttg ggaagggtgt ctgttggtaa aaagccctaa 120
 actcttgatt tatttcacac amtgsct 147

<210> 32106
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 32106
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 gagacattt tggagctatt amctactttt ttttcccttt tttgggkggt atattttgat 180
 gtgaacaaaa gaatttttac att 203

<210> 32107
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 32107
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 aaccgcggct gggctttaac atcaggctcc tgaggaccgc cccagtgacc tgggagacc 120

<210> 32108
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 32108
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 aaaaagtagg aaccatgtaa agatgatggg gacagaataa ttgtgaagac ctctctgctc 120
 ctcttgctg cacaccctat atakakrtat aatcggagct aaagagctct gtgtatattt 180
 caccgccga 189

<210> 32109
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 32109
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 tatcatgatc taraccataa gttcagattg cttgataty 99

<210> 32110
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 32110
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 tccccactcc acagatgagg aa 82

<210> 32111
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 <212> DNA
 <213> Homo sapiens

<400> 32111
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 cgggcctkga agacrragca aagcgccac ccaagtcccc cgtaa 165

<210> 32112
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 32112
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 ccttccttra agaacagggc atgccgcac tctgaagcca caagccaagc aagcatagta 180
 cctggtacaa gtataggccg aaatatttgc tggatattag agtatatgga aacataatga 240
 aagcttgtca tcattgacat ttaaatgtga aactgtcacc atcaatttgg acaattagaa 300
 tccatctcat ctggtttaca tggcavhkct tcaatattct tcacagaata agtagccttt 360
 aaaagtgtgt tcaaattact tcttactcaa gaggc 394

<210> 32113
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 32113
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 ttacaaacck gtagmcagaa ragggaaaca aacattgatg actgcctgct tcgtgacacg 180
 agctgctttt attaatgttt atttttattt attccttgaa ctactttttg aggtagtgtga 240
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 agagcagtga ggaaaatgat gaactcagtt ttgaatgtct taaggmacat gtgggggttt 360
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<210> 32114
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 32114
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<210> 32115
 <211> 421

<212> DNA
<213> Homo sapiens

<400> 32115
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cataattggg atccaaagggt gacaaatata tagaataact ttgtctcaga aatagtatca 120
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gaagtaat ttt tacttctgag ttccagattt ttactttgtt aaacagtagt cttcccttcc 240
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atagcaagat gaagatat ttt tcaagccctt atcatccata tgctctacta cctaccaaag 360
atccagttca tacttttgtt tatagtaatt ggaactttta aaactctagg gtatagttag 420
t 421

<210> 32116
<211> 251
<212> DNA
<213> Homo sapiens

<400> 32116
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gcatagatgc cgtgatgggtg ctgggaaatt cgcattttatt catgaatcgt tccaacaaac 120
ttgctgtgat agcaaagtca cattcaagaa agccgattct tatatcctgg aaagaatggc 180
agacttggag acttcttcgg agaccctggc aaccctcctg aatttaatcc ctctgggagt 240
aaagatggga c 251

<210> 32117
<211> 238
<212> DNA
<213> Homo sapiens

<400> 32117
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taaatacagcc agttgaagaa agtcaaactg tatattgcat taattaaatt rttaagrwtt 120
ttwatggayc ttamcgtggy gatttttatgt gttacagttg aaacatttcc gagacatgtt 180
gtatgcatat cttttcttka agatcttgac atttatggcc aagctacgta cccatttt 238

<210> 32118
<211> 341
<212> DNA
<213> Homo sapiens

<400> 32118
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caaatacctg ttctgaaact tataggaaat tggaattttg tttaaaattt tacacttta 120
ggtwrscaaa tgtcaattat tagaccgagc atattgtgaa gaattaaact aaaattaata 180
cgtacagttt tctctaatta ggtgactgtt cataatgggt atatttggaa tttagaagaa 240
ataattttgt agtaattgtg gcccttatgt ttaacagata attcagcatt ggcgtatttg 300
cttgtcccaa tacaagaatg ccaaaggagg aaacaggaat t 341

<210> 32119
<211> 424
<212> DNA
<213> Homo sapiens

<400> 32123

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ggcggatcac	gaggtcagga	gatcgagacc	atactggcta	acacagtga	acccgtctct	120
actaaaaata	caaaaaatta	gctgggcggtg	gtggcgggwg	cctgtagtcc	cggctactcg	180
ggaggtgag	gcgggagaat	tgcttgaacc	caggaggcgg	aggttgagc	gagccgagat	240
cacgccactg	tactccagcc	tggtgacaga	gtgagatccc	gtctccaaaa	acaagaaaaa	300
ataagtcaa	aagttttgat	ggtggaaata	ggaaatgtca	gcttcaaagt	tatttagaac	360
atttcagtrk	ttttcagttc	tatggatagc	acaaacaaat	gcctcttata	tctttctcct	420
agaagacta						429

<210> 32124

<211> 164

<212> DNA

<213> Homo sapiens

<400> 32124

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agggatcttt	ctagtagagt	gggatagtga	ggaagagaga	tctggagggt	gccsggcagr	120
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<210> 32125

<211> 355

<212> DNA

<213> Homo sapiens

<400> 32125

aatgattggg	ggggctagaa	aatataggaa	tatttgatat	ttaaaagatg	atatggcctg	60
gtgcagtggg	tcacgcctgt	aatcccagca	ctttgggagg	ccgagacggg	tggatcactg	120
gaggtcagga	gttkgacaca	agcctggcca	acctgggtgaa	acagtgtctc	tactaaaaat	180
agaaaaacta	gctgggctga	gtggtgcatg	cctgtaatcc	cagctactcg	ggaggctgag	240
gcaggagaat	tgcttgaacc	caggaggagg	aggatgcagt	gagccaagat	cgcaccgttg	300
gactccagcc	tggaggacga	gagcaaaact	ccatctcaaa	aaaaaaaaaa	aaaaa	355

<210> 32126

<211> 99

<212> DNA

<213> Homo sapiens

<400> 32126

ataatgaccc	aggctgasaa	gggtgatacg	gagaacggaa	aggagaaggg	cggcgagaag	60
gagaagghgc	agcgcggcgt	gaagcggccc	atcgtgccc			99

<210> 32127

<211> 376

<212> DNA

<213> Homo sapiens

<400> 32127

caaacctcat	gccttattca	gcatacaaaa	atgcatagga	aagagaaatc	gtatgaatgt	60
aatgagtatg	agggcagttt	cagtcatagc	tcagatctta	tcctgcaaca	agaagtcttc	120
aaccagacag	aaagcctttg	attgtgatgt	atgggaaaag	aactccagtc	agagagcaca	180
tctagtttcaa	catcagagca	ttcataccaa	agagaactca	tgaatgtaat	gaagatggga	240
agatattttat	caaattcagg	cttcattcag	catctgagag	ttcacaccag	ggagaaatca	300
tgtatgtact	gcattgtgta	aagccttcag	tcatagtctc	gccattgctc	agcatcagat	360

aattcacacc agagag

376

<210> 32128

<211> 306

<212> DNA

<213> Homo sapiens

<400> 32128

catttagtct	tgacaacccat	ttgaaataag	agccactggt	ctttatcttt	tcacagtggg	60
aggacctggt	tgtgtaaaga	ggttaagtaa	ctttaccag	gcactgtgag	cagctgggaa	120
ttagcccaaa	cagactgdct	tcagcacctg	gaccagggag	ctgtggaatt	aaggctctgg	180
tttctatcca	gctgaatgac	attggggaga	atatttttaa	aggcctcaat	gtgctcatct	240
gtaaaaaata	cggggttggt	atgggtgatc	tcaaagatcc	ccgccaaytc	tctagcagct	300
cacctc						306

<210> 32129

<211> 452

<212> DNA

<213> Homo sapiens

<400> 32129

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ttcatgttta	atattttatt	atatattatt	aatgtaatac	agtatctgtg	gggtatatgk	120
ttccaagacc	cccagtggat	gcctgahact	gtdgatagta	ytgaacccta	tgtatactgt	180
gtttttttct	atacatgcat	acttatgata	aagttttaat	ttataaatta	ggcacagtaa	240
gagattaaca	acaataataa	aatggaatag	ttacaacaat	atactgtaag	aaaagttatg	300
tgagtgtgga	ctgtccatct	caaaatattt	tattttattat	gctatacttg	agtactcctt	360
gtgatgaatg	aggtaggtgg	tgcaggcatt	atgaagtact	actattgccc	cagaggggtgg	420
gtagcatcta	cagcatagat	acactggacc	ac			452

<210> 32130

<211> 330

<212> DNA

<213> Homo sapiens

<400> 32130

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gggccaaatc	cctattgagg	ctggatgtct	gatctgcact	agacttaaga	ggatatatca	120
tttcatctgc	atgtaaaccac	atagggctga	atgtgatgtc	aaaagggttt	gccgttaata	180
attttcttca	atgtaaaccat	tcctaataat	tttgattggt	gctccttagt	caatcatttc	240
ccaaaacatg	attattttta	atatatgtaa	aatattttaa	taataaataa	taaaaggtaa	300
tgtgtccatt	ttaaattttg	ttcccagccc				330

<210> 32131

<211> 344

<212> DNA

<213> Homo sapiens

<400> 32131

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tgatttcttc	cttaagtgtt	tgatgtaatt	tagcagtgga	gccatctggt	ttctattttc	120
tatttcatgg	atttccattt	acttcctttc	atctgtgttt	ttcctcacag	atttattttat	180
tatttaaata	ttttaacagt	agagataaaa	atgagatata	caggctgcat	gttttaaatg	240
tttcggcaca	tgatcatgtat	gtatgtgtgt	gtcacacact	gtatctgcca	cgctaataca	300

ggcagcaaac atgtgcgtca sgccacggtc tccctcctcc caca

344

<210> 32132

<211> 275

<212> DNA

<213> Homo sapiens

<400> 32132

accgacattt	ctgttgattg	attgattatg	cagattgtaa	atgggtaata	tatgatataa	60
ttagatttta	cccatgacct	ttcatagagg	tatttatctc	atgacttttt	cagtttatct	120
tatagttatt	ggctcttctc	ggttttggat	aatatgataa	tttgtgtttt	ccttaagaat	180
tgtctgtttt	gttcagttta	aaaaaattat	tagcaaacac	ttatgtatag	aattttctta	240
tgatatttga	cttccatattg	tgacaaaacc	ccctc			275

<210> 32133

<211> 372

<212> DNA

<213> Homo sapiens

<400> 32133

tacttttaggt	cccaacacat	atttaggggt	aattcagcca	gcctactgag	ttatactcct	60
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cattcttctt	gattcatact	ataaagacac	ataaacatcc	agatgttaca	tagagatggc	180
aatttccagt	tacagaatta	ttaataattt	agttgaatta	aaacatattg	aatgcctact	240
ctgtacatgg	cattctatta	catgtaaaat	ttagtaaata	caaagatgga	tagatccttt	300
aggaacatac	ggtcatatga	gagttacata	aatgtctaaa	taactgtaat	ataggcataa	360
tgacatcagc	gc					372

<210> 32134

<211> 248

<212> DNA

<213> Homo sapiens

<400> 32134

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ttggacagat	tactttgaag	tttcatttta	ctcacatctc	tatatattag	tgataaaaaat	120
ctctttttaa	aatagcaaaa	aagtgttctt	gattttgtac	tttggaggta	atttttcttt	180
tttacgaatg	tcaggttcat	taacaatagc	aggattatct	ttactatagc	ttatttttga	240
gagtttagc						248

<210> 32135

<211> 332

<212> DNA

<213> Homo sapiens

<400> 32135

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gggrmcgat	tccgcctcgc	cgcgcctctg	gctgctgrgc	cgtgggtttw	tctcttgctc	120
tgaggagtaag	gaggacgacg	gcccctaacc	cctgaattar	ccytwctatt	tccattagkg	180
acttagaagc	taccggcgcg	ctcatctggg	ctcacctgag	ctgaggatca	ggaaggggag	240
sgggcacagt	cattccctcg	cggamcgcg	gggacccca	cggacggctt	tgtgcggamt	300
ttcggcaccg	ttatgcccc	ctagcccgac	ga			332

<210> 32136

<211> 304
 <212> DNA
 <213> Homo sapiens

<400> 32136
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 atctgaggct agcggtagca tctcagcttg gatttacttc agtcaggctt cctatggcag 120
 gcagatcaag caacatttgg aaccgtatth ttaawtttgg caagatcacg tcattctggg 180
 tcattggctt tggcttcagc agatggagat gaggttgtcc ctagtcagag taccagtaga 240
 gaacctgaga gaaatcatac tcacagaagt ttgttttccg tggagtctga tgatacagac 300
 aacg 304

<210> 32137
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 32137
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 ggcattgacat tggcatttgc tttaaattgta attaatgrtt cawtyckgcm accttgtkac 180
 tacatgattg ccgataacaa ctttcgaaag ggtattatth ttgtgagtca ctttcagacg 240
 tgatcagaga agatttatcc agaattatth tcatgattgt gccaaga 287

<210> 32138
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 32138
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 cctctgcctc tgggggttcaa gtgattctcc tgtctcatcc tcctgagtag ctgggattac 120
 aggtgtgagc caccacacct ggccattgtt tttttaaaa 159

<210> 32139
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 32139
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 agttttggaac tccacattct ttcagacctg gcccgctgag gggcgttcct ggggggtagc 120
 ctcaaggcca gcgggggttc ttcggctgag tttctgtkag raggccctga aacgcgcgga 180
 gcttccctct gcctccaggc tttcccagcg agagtgaat taaacttgaa actcgatca 240
 actggcagtc gttgtttgta gaacgcctca aggaccctc cccgcgggag ggagggagga 300
 skcgggacag ggaattggcc ctggggagaaa acgcgcgggg ggcgtccgag acgccccgtg 360
 aaagccgtgc cgacccttgg gaggactgac aggtctagag acacgcgctg tctgtttgtg 420
 tgggcctccg gbwataagtg aggggctctg tgtttcga 458

<210> 32140
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 32140
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 acatatacat tagatacatt tatacaatgt gtaatgatta aatcagggca gggcaattag 120
 gatgttcac acctaaaamm tgbaacatty ctttatgctg ggaacatttc aaaccttctc 180
 ttgcaactgc tttgagatat ataataagtt attactata gtcaccvkac tgtgctatca 240
 aacactagaa cctgttcctt ccacttaact gtatgttttg aaccattaac caacctctht 300
 ccataccccg cctcccagcc tctgggtgacc atcatatggt tctctactcc gttagatcaa 360
 ctttttttt 369

<210> 32141
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 32141
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 gcttggccag gtccccaacc tycccgagg tgctgtgggt ttgaggctgt gcaggaagtg 180
 ccggtggggc tgggtgcagcc ggccagcgca accctgtacg actactaaa ccccgagcgc 240
 agatgttctg tgttttacgg ggcaccaagt aagakcagac tcttgccac cttgtgttct 300
 gctgaagtct gccagtgtgc tgaggggaag tgccctcgcc agcgtcgcgc cctggagcgg 360
 ggtctgcagg acgaggatgg ctacaggatg aagtttgctt gctactacc cctgtgtggag 420
 tacggc 426

<210> 32142
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 32142
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 aagagtactt gaagttttat ttaaaataaa atgttgtgga aaaggtagca ttcttttttt 120
 aggagtgtta tttttcacta tgttgtggca caaa 154

<210> 32143
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 32143
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 atgagaatag tgtgtgagaa agactgctg agaatggcgt gtgagaatag tatagtgtgt 180
 tttggggagg ccagaggacc tacccattgc ttcacattct tggtgccaac tgtgaccgtt 240
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 ttcctctctt tttaaaaaat tttattttgg ttttaaatag rgacagggtc ttgttatgtt 360
 gccaggtctg gtctcgaatc ctgggctcaa gcaatccctc ccgccttggc ctctcaaagt 420
 gctggattac agttgtgagc 440

<210> 32144
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 32144

agatatgtgt	gggcagcata	tcccaagcag	agggaaacagt	catacaatct	tggaggctac	60
aaggtgcttg	gtatgttctg	caaagagtta	agaggtcagt	gtgcctggag	aaggtgcagc	120
aaatgggaca	gtgatmgcca	taaggccagg	gcgggtggcag	acagccagat	ggtgtggagt	180
cttgcaaggcc	acggtaagaa	tgtgtgggtt	ttgcatttta	cttagagtga	aaagagaagg	240
attacagatt	gttgtgcaga	gaggcaacat	gatctgattt	atatttttta	aaaatttctc	300
tgtggagtat	atattggggg	aggggagcaa	gggtagaagc	agggagaact	attaggaggc	360
tattatacta	gt					372

<210> 32145

<211> 448

<212> DNA

<213> Homo sapiens

<400> 32145

cagttaatag	acatttgagt	tattccactt	tttggctatt	aagaaaaatg	ctgctgtgaa	60
catttggtga	caagctttta	tatggacata	tgttttcatt	tctgttggaa	agatacctag	120
gagtggaatt	gtggtgtcgt	agttaactct	gtttaacttt	ttgaggaact	gttttccaaa	180
cttttccaaa	gtggttagat	catattacat	tcccaccagc	aagtatgaga	gttgaatttc	240
tccacattct	tgcaaacact	tgttattgtc	catctttttg	attatagcna	ttgttgtaga	300
tgggaagtgg	tatattattg	tggttttgat	ttgcatttcc	ctagtgacta	atgatgttga	360
gcactgttgc	atgascttat	tascatttgt	atgtctgctt	tgacaaatgt	ctattcaaat	420
cctcttccat	ttttgaattg	agtcaatt				448

<210> 32146

<211> 494

<212> DNA

<213> Homo sapiens

<400> 32146

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ttgagaggct	gaggtgggag	gatctcttga	gccaggagtt	caaggctgca	gtgggccagg	120
atcacaccac	tgacgtccag	cttagtgaca	gtgtgagacc	cggctcctcaag	aaaaaaaaactt	180
tgtgtgtgta	aatggaatca	tactgtacat	attctttta	gcctggctgc	tttcaactcgc	240
atgtttttga	gagtcctcca	tgttgctttg	tgttccagta	gtttgttgcc	ttttaknvt	300
gagtagtatt	cactgtggta	tggctatacc	acaatttgtt	tctkbattca	cctgatattt	360
gggtttccag	cttttggtga	ttatgattaa	agtggcaatg	aacattgatg	tacaagtctt	420
tttgtggact	tdagttttta	tttctcttgg	gcaaatagga	gtagaatagc	tgagtcatat	480
ggtgtatatt	ttgc					494

<210> 32147

<211> 383

<212> DNA

<213> Homo sapiens

<400> 32147

cattcttagt	tgaatccaca	gatgcagatc	ctgagggcca	actgtgctgt	cttgcttaaa	60
atcttactgt	ggttttctgt	tcagtgtttc	tcaaaggctg	agtttaagga	tttatgttga	120
gctggttgta	tgaagcttgc	ttagctacct	ttatctgcat	gattttgatg	tgtkvccatg	180
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gtaccaaact	gctggcagtt	ctgtggattc	cttgcatttt	tattttttgtg	ttcattttgta	360
ttttctcatt	tcctggaatg	cba				383

<210> 32148
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 32148
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 gcacctccat ggctccatta ttaacacaac tctagcaatt atggaccata agcacttccc 180
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 ctccctcagc ctcccgccctg cccacacgg aggtctctggc tgtcctcttt ctccactcca 300
 mnggcntggc tctttctaca cctvntctt gggcatgggc tgagggctgg akcgagtccc 360
 tcagaaattc caccaggctg tcagctgacc tcttttgctt gctgctgtga aggtatagct 420
 cyasccaggt cctcctgcag tgcggcatcc cttggcagct 460

<210> 32149
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 32149
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 agttttcamg ggtcttcast caaccctggc tgtcaccttt ggggaatgat gctggaggtt 180
 gtctccagtt tctcctcagc aaagagagat attgctgtgc cccagattga cattcatgga 240
 cttctttgtt ggtgggtctca gctgagaggg tgaaggataa ctggatgctt ctctgttgcc 300
 tgggtgatggg gtgttttttag acagarttga agagcattta gtgtatgatg atattgggca 360
 agggatattg ggcaagggtt ggggtgtagg gtagccattg vtgaatttgt tcttagactt 420
 ttgttgttca agtctcttga cct 443

<210> 32150
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 32150
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 cttccatctg tgtattttga cttaagttag aaactgaact gggctggcaa agactgaatt 180
 gacatcaacc aaatcctaatt tttatrcag gattcttcat ttagatatcc tcattcangt 240
 ttattgtttg gccattctaa tgttaaattt caggatctat cttaaacaaa ataaggaaaa 300
 tgatagagtt ttccatttct gggcagc 327

<210> 32151
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 32151
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 gcgccttgga gggaggtgta gaaagaggta catggagaac aagtttgtca atccatctga 120
 acttcagttg ccttacctgt aagcagccgt gtctgtgttt ttgtctcgca gaattagagc 180
 cca 183

<210> 32152

<211> 278

<212> DNA

<213> Homo sapiens

<400> 32152

caacaggagg	aggatgtaga	gcgtcttgct	ccctggctta	taagattcag	gaaaggtttc	60
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ttccaggcag	aggggaatgt	ggggcccagt	gtgtctcggg	gaactgggar	caggctgacg	180
ctgccagagt	gtagtatgcc	gggcaggagg	tcctggcagc	caaggctgga	gccatcatca	240
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<210> 32153

<211> 292

<212> DNA

<213> Homo sapiens

<400> 32153

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agggagtgct	acaaaatggt	tgtcacttaa	atttcaagtt	tctgttttaa	tagttaactg	180
actatagatt	gttttctatg	ccatgatgtg	ccacttctga	gagtagtaaa	tgactctttg	240
ctacatttta	aaagcaattg	tattagtaag	aactttgtaa	ataaatacct	ac	292

<210> 32154

<211> 158

<212> DNA

<213> Homo sapiens

<400> 32154

tgaaaataaa	atatgaaaat	actcatgtag	acaaaaatgc	caactaacia	atgaagagta	60
tatgatgaaa	ataaacccaa	gggggtgagg	attttcacgt	ctggaatggc	agaataaaat	120
gttcagcaga	ccttaacaaa	acaaccattt	aaccggta			158

<210> 32155

<211> 418

<212> DNA

<213> Homo sapiens

<400> 32155

taagtgtctt	atgtttttta	tttttaattt	ttaatttttt	taagaccttt	ttttccctt	60
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gtactgtagc	cttgaacttc	tagggctcag	gtgatcttca	tacctcagtt	tctggagtag	180
tttgactac	agttgttcac	caccacaccc	agcaaagaat	gtgacaaaaa	gtactaagtg	240
tgtttttagct	aagtatcgat	aagaaaagag	tgtcttttta	tttatttttt	atttgtttat	300
atgtactttt	tgagacaggg	tctggctctg	tcgtccaggc	tggagtgcag	ttgtgttaatt	360
ttggctccct	gcatactcag	cctctcaggc	tcaagtaatc	ttcccasctt	ggcctccg	418

<210> 32156

<211> 109

<212> DNA

<213> Homo sapiens

<400> 32156

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<210> 32157
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 32157
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 tatcatgtat ttatttggtg gcaaactatt gtttgtkgtat taaaatagca ctgttccagt 120
 cagccactac tttatgacgk ctgaggcaca cccctttccg aatttcaagg accaagggtga 180
 cccgtac 187

<210> 32158
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 32158
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 atgatgggaa tttgtgggaa tgtgcgkttt aggggaatga tgakccatcg ctagcaagtt 180
 tyyaagggg gctgtgacct akwagagtta gaatcacaat ntcttcatgc tacagagagg 240
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<210> 32159
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 32159
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 aaattagaaa atgacgtttc ccaactccaa agtgaagtgg magaaagtaat ccaagaatca 180
 cgcaatgcag aagagaaaagc caagaaggcc atactgatgc tgccatgatg gctgaggagc 240
 tgaagaagga acaggacacc agcgcccacc tggagcggat gaagaagaac ctggagcaga 300
 cgggtgaagga cctgcagcat cgtctagatg aggccgagca gctggcgctg aagggtggga 360
 agaagcagat ccagaaactg ganggccagg gtacgtgagc ttgaa 405

<210> 32160
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 32160
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<210> 32161
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 32161

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gaatcctagg	atacaactct	ctggaaattc	ttgctgtgct	ggcagctgcc	gtgtttgctt	120
tccggagcaa	gtgamcctga	tggagggtgac	atcactggct	gcagctgaaa	atctagctgc	180
ccacagtga	cagttctgca	ctgctcctct	attccctgag	ctttacagag	tccagatsec	240
atgtactgct	gaactcaggc	agaaagaaga	gtgcagttta	ttggactcca	aatctcattc	300
aacagaacaa	rgragttgag	gttgcaagga	agracctata	atgatgggtc	atgggtatar	360
cctagaaaag	aagagaaata	aaa				383

<210> 32162
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 32162						
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ccatatattc	agcctagcgt	aagagttaag	aaaatgggtt	ttacaatcaa	acagaactga	120
gsttgrggvb	tgacctactg	ggtaaatctg	agcaagttat	tacatywttt	taaacttccc	180
tgtttacacc	tatcttgtct	tgagtagccc	gaccaaagct	attactttcc	tccagttgca	240
cacttttcc	tcttgtttat	gaaaagatca	ctttcacaca	agtatcctat	ttctagtktt	300
atttkctttk	aattattgaa	tgtggcaaaa	tgctttttat	tctctaagcb	acttgcttca	360
ctacttcaat	ttggtcgccc	ccaatta				387

<210> 32163
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 32163						
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ctttctgtga	agccttctgg	ctttggactc	ttggaaatct	artatttacc	ctgacttgkt	120
tttycgaatc	byggaaatgt	rtttatttagc	ctgtkatcag	tatcagctcc	acccttagct	180
aaagcgtca	ctgtctacac	gtgttactaa	catctggcct	aagacattca	ttgtggccat	240
gttcttataa	tagaagatat	cacctttttc	agragtttgt	ctgcatcaca	tcagctcttt	300
ccaaggaact	aaagattcct	catctcttta	tattttgcat	tgctgactaa	tttcttggtt	360
catgtctgag	gcgcctccag	tttctgcttt	tattc			395

<210> 32164
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 32164						
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ggtggcccag	gcaggagggtg	aaagcagcca	tccggaaggc	cctggggacc	cttgtgcctg	120
ttgswcggch	ttsaggtcac	ragctgrgct	gcgataggaa	aatctgaatg	gaggcagcaa	180
ayagccaaaa	caaacattcc	ccaccggcc	ctgtgcatat	gaagtctttc	ttcccccaac	240
tcttgaacgr	tgatgatatt	cagacgc				267

<210> 32165
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 32165

<400> 32169

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ggggaatcag	ggtcttgcca	gaaagtaact	ctgatgtgga	tcaactgaaa	aaggatttag	120
aawcttgcar	atttgrcagc	caatcagcat	tcagatgtta	tctgtcaatc	agaacctgac	180
gacagctttc	caagctctgg	atcagtatca	ttatacgagg	tagaaagatg	tcaacagcta	240
tctgctacaa	tacttacaga	tcatcagtat	ttggagagga	caccactatg	tgccattttg	300
aaacaaaaag	ctcctcaaca	ataccgcatc	cgagcc			336

<210> 32170

<211> 266

<212> DNA

<213> Homo sapiens

<400> 32170

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cggcaagmcc	ccagccctc	atgtcagamc	ccccgtgtga	ctgtaacctg	gtggaccttc	120
gccgctgtsc	tcggwcccca	ccccaggcc	ctgcatgcnc	cctgctgcag	aggctggatg	180
ntgggagca	gcacctgync	cccaactctg	gacgctgctt	ctacataaat	tcactgactg	240
gctgcaagtc	ctggaagccc	cccgt				266

<210> 32171

<211> 471

<212> DNA

<213> Homo sapiens

<400> 32171

ttaatgcggt	ttgtagaact	ctgcaaaatc	ctgacctctg	cctattttgt	ctctcaccac	60
cattatcttg	ctctgtctta	acctcattca	tgcctttgct	acactggaat	tacttctgtt	120
cctagraca	ttggctccca	agcatgctgt	tctttctgga	actctcttgg	cctgacgcag	180
ctcagatgtt	tctgagagga	ctaggttcag	atctctgatt	tacattccca	gagcgtata	240
tccctccct	ttttgcagca	gaggccaccc	ttggaactga	tacatcagaa	atagttttcc	300
tcttggttg	taagtctctg	agagcaaggg	gtgttcttta	cacatcactc	tgaccttggt	360
tctagaaaaa	tgcctggcac	agagcaagac	cttcgtaa	atttggtgaa	taggaagaaa	420
aatgaacaag	tgcataaatg	cgtgaatgat	gtagaagaca	atccagtaat	a	471

<210> 32172

<211> 411

<212> DNA

<213> Homo sapiens

<400> 32172

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agtatatgca	gggatgaaag	gcagatgggc	aaagatcaga	aagactactg	aggaagaggt	120
acagttat	agatatctgc	ttcctcatct	tctttggggg	cagcttctgt	gatgaaaaca	180
ctttatgaaa	ggtaagaccc	ccaaatacct	gttctgtaga	cattgggggat	gaaaatgtac	240
atcctagcag	atgatctggt	tctgcattcc	agaacactgc	tctgacttta	gaagcagtnn	300
nntatgcata	gtatatctac	thnnagctaa	aacaragaga	gaaatbgnwt	gattganacc	360
ttctdattgc	vaaagtatgc	agaattgaca	ttcaagcaat	cttatgtaaa	a	411

<210> 32173

<211> 225

<212> DNA

<213> Homo sapiens

<400> 32173

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gcggggggtta	tggcataaag	gtaagtgcta	ggacttacac	ctggccaaag	aacagcgcg	120
tccagagtgt	gctagaatag	ttggcgccac	tggatgtgtg	gtgtggctgc	gtggaatgtg	180
tgttggtgta	tgtatgtggt	ggtgatgggt	gtttaaaggg	caccc		225

<210> 32174

<211> 319

<212> DNA

<213> Homo sapiens

<400> 32174

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ttcagtcctcc	caaagtgctg	ggattacagg	tgtgagccac	cacgcctggc	cccatctttc	120
ctttgatatt	ttatattttc	ttccttcctt	ctttttaaaa	atttgttttg	ttctttcttt	180
tcagcagaca	catattaaac	tatatatgtc	atatagcacg	gtatttaaga	tggtatttaa	240
gatgatggac	tctggaacca	gttttgccaa	gattcagatc	ctagctcatt	tacttaccat	300
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<210> 32175

<211> 358

<212> DNA

<213> Homo sapiens

<400> 32175

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ttctactttg	catttaattt	tttacttatt	tattgaagtg	tagtatacca	taaagataaa	120
aaggcacaaa	tagtaagtat	acaattaatg	cattttcaga	aaatgaacat	atctacttaa	180
gaaatagaac	ttaacaatac	aagccccctc	ttattctctg	cagccattga	cccctttctg	240
tctggaagat	aaccactatc	ctgccttcta	atactataga	ttagttttac	ctatttttga	300
aacttataca	aacgcaatca	tgtaggtatt	catttgtgtc	ttgcttcttt	ccctgaac	358

<210> 32176

<211> 289

<212> DNA

<213> Homo sapiens

<400> 32176

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ttgacttgga	aaccctaaatt	atcttcagtc	taacgtactt	gaaatttaac	tattaaaaaa	120
gttgaggagaa	ctcaaacttt	gaagttaggg	ctccctttct	ccagataawg	cacattgcct	180
ggtttattgt	aaggcactta	gaacatgtaa	ccaaaaacac	tcaatttagg	aataggaatg	240
attgttttac	agctaagtgc	gctctcagag	tcttttgttt	tacaccct		289

<210> 32177

<211> 327

<212> DNA

<213> Homo sapiens

<400> 32177

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ccttccttga	ttaaaaagga	tgactatttc	tagtatattat	agtctctgct	cccaaatttg	120
gaggctatcc	tgatatacat	caagagtaaa	tgatcatttat	caaaaagaaca	cttgagtgtg	180

ccactagtgt gatccctgct gtaacgtaca ggaacacaac tctagaactg gaaaggaaga 240
 gacatgggtt tccaggacac acaaatttta aatgaagatt aataggaaaa acaaagatac 300
 atcatattct tcacctgacc ttcacac 327

<210> 32178
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 32178
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 agagagagcc tgtctcttgt gatcaatgaa aagtttttatt accccaggca tgctcaacag 120
 tcctacgtta tgtcagcatt ttgtaggaaa agcattgaag gagcctcnga atatgttttc 180
 caccacctac atcattcatt atatggataa tattgttttg gccactccca ca 232

<210> 32179
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 32179
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 ggaaaatgtt tcagtatgct gaaggtgtaa aaaaaacaca taaagtggca aaaatgggtt 120
 ttattagggtt aggaataaag cctgatctaa atatcttaga cttgtatatt tttaaaagat 180
 atcttaaata catgaaagac acgcagcact atgcttagaa tgtgaactgt tggcttggtt 240
 tagaatcagt cgctaaaagc aagtagaggt ttccagagcc agtacttgta cttctgggaa 300
 attgtgccct tcacctaggt gtctgaattt tt 332

<210> 32180
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 32180
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 ttttaataaat agtgctggga aaactggcta gccatatgta gaaagctgaa actggatccc 120
 ttccttacac cttatacaaa aatcaattca agatggatta aagacttaaa cgtagacct 180
 aaaaccataa aaaccctaga agaaaaccta ggcaatacca ttcaggacat aggcacgggc 240
 aaggg 245

<210> 32181
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 32181
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 agtgaaatca aaaaaagaac agaaatgcaa aaaccatggc attagcgtaa aaaggacacg 120
 tttatagtat gaaagckgga acatggcctt gttcaacctc agctcagaat atgtgtacag 180
 caagtttttt gctgtaccac aaaatttttag gttaggcaaa ttcacaaata cggaatccat 240
 gaataacgag gatcaactgt actaactata tttaaagctg tgacatttat ctacctggtt 300
 tatggaatag aattttattgc tgaatcatgc tccagtattt gagtgatgtt ttaaataatcc 360
 tatgtctgaa aataattcct cctaattgtg tggtaatttg cttttactgt ttccacagta 420
 tttcaggtct ttgctcattc actcagtaat actgagcact ta 462

<210> 32182
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 32182
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 gggtgttccc tgaaagggtga gctgtcttcc ccggtccgtt ccatggggct tgctccctgc 120
 atgtaggcag sccttdgktt ccttgccctt gccctacctc tcctctcttt aatgaggcaa 180
 gaacaaaagc aaggcgaact gttactgtca actactgtga tttaggcaga tcctcaacac 240
 catttggtt tgtgtagata ctgctttatt tatattattt attgttcaac aaaaaatctg 300
 aaatatagaa gtcatgatgc ccattttacc aatgaggaaa tctgaatctt ggaaagaata 360
 ccttgtgccc aaggtcacia agtcaagaag gagagacaca caatttgcac ccaggtctgt 420
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<210> 32183
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 32183
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 tcttctgctt ccagtgtttt ccagggaagc caaaagattg gacaccctg atttagatct 120
 ttgtgtatat gtttaacttt gggtttcttg agcaaaattt ttggactcta attattaacc 180
 acccttttga agactacagg agtttctccc tatcccgctt tgcttttagg aagatcatct 240
 taga 244

<210> 32184
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 32184
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 gtaaagcgca ggacctctt aagtgggtgt 90

<210> 32185
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 32185
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 tagtggatat attaagcagg attttaatta tatttaaaact tttacttttt ttttttct 119

<210> 32186
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 32186
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 atgttgcct agagggtgtg gatgccagag atcctcttgg ttgcagatgt cctcaggtag 120

aagaggccat	tgtccagagt	ggacagaaaa	agctggtact	tatatkaa	aatcagatc	180
tggtaccaa	ggagaatttg	gagagctggc	taaattattt	gaagaaagaa	ttgccaacag	240
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<210> 32187

<211> 467

<212> DNA

<213> Homo sapiens

<400> 32187

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cggcccacat	ccctaggcct	tcctgatgck	sktgccctgct	ccctgggtctc	tctgcatggg	120
gaaggagtgt	tcccagcttg	caaactccag	ctttgcctgt	gagwggaa	agtgtccctg	180
atccagaagg	tggtcggatg	gagatggcga	gttctgctgg	ctcctggctc	tctggctgcc	240
tcacccctct	cgtcttcctc	cggctgtctg	tgcatgtgtc	aggccacgca	ggggatgccg	300
gcaagttcca	cgtggcccta	ctagggggca	cagccgagct	gctctgccct	ctctccctct	360
ggcccgggac	gtaccaag	aggtgaggtg	gctgcgggtcc	ccattcccgc	agcgtccca	420
ggctgttcac	atattccggg	atgggaagga	caggatgaag	atctgat		467

<210> 32188

<211> 283

<212> DNA

<213> Homo sapiens

<400> 32188

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tttctaccc	ccctgaagaa	acttcattgg	cctcctgggt	actcaccttg	aagagagtac	180
catccatttt	agtgaaaaac	acatctgtca	cctaggacat	gacatgggtg	cagttgacag	240
gaaaaaaaaa	atcycattka	gttggttttar	arttgggtggc	cca		283

<210> 32189

<211> 339

<212> DNA

<213> Homo sapiens

<400> 32189

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acgatgatca	caactactgt	agtgatactg	gtgaaattca	atctcaccta	ggtgcatttc	120
acaaagagtw	aatatttcag	cagggccctc	tggaagaagaa	tcatcatttc	atcagagggg	180
aaaaaaagga	ggagcattct	aggtacttca	aaagataaag	cttagccagt	caggaggggc	240
aagaagtatg	aaagagaagc	agccagcaaa	gtgatctggg	gccagatttt	gaaaactttc	300
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<210> 32190

<211> 418

<212> DNA

<213> Homo sapiens

<400> 32190

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ctgtgsaaa	tttaaaggag	gacctggcat	attaactatt	tttgtaaaaa	catatttagg	180
cagcttcctg	gttcagtctt	cccttcactc	caactttcag	tggtactcag	tatgcccaaa	240

cccagagcca	tcaggggaac	aagttggttm	dtctcttggtt	tcactcttct	gctggcttaa	300
acttccactt	acttggttat	agttatacac	tcactgctct	tccatttgct	ttccatgttc	360
caaaaagt	cttgctgtct	tatttgctcc	cattctcttt	gtcctatgag	tttgttct	418

<210> 32191
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 32191						
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ttggtgcttg	ctttctccag	ccatcgagga	ccagagccgc	cccctctgct	cgagaaaggg	120
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ctgcgagggg	ccccttcgtg	ggatcatcag	cccgaagaca	gggatggaga	ggcctctgtg	300
ctcccacctc	tgcagctgcc	tggctatgct	ggccctcctg	tccccctga	gcctggcaca	360
gtatgacagc	tggccccadk	amccccagta	cttccagcaa	ccga		404

<210> 32192
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 32192						
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gccaaagcac	aggggctcaa	aatggtgagg	ccggggaacc	gggcgctccc	atctctgtct	120
acgtagatac	ctagtcaaac	cgaaggggaa	gcdwcctagc	atccktaagc	cctcctttcc	180
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ctcseccacc	cttctcccgc	cgcc				264

<210> 32193
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 32193						
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ccaaagtcc	tagatagcac	gccccatccc	atagcaccat	gtccttgctg	accagcagag	120
cggggacaga	ttagcacaca	gtccctccag	cgcasaatgt	ggggacacat	tagcaaggag	180
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<210> 32194
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 32194						
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ggatcatatt	attaaataat	atatgcacag	acatggagag	aattagtttt	tactaaaaca	120
tttawcmgaa	aatttraata	ctctgcataa	ccagtattag	cattagaaat	tagccacttt	180

tagaatgaga	aaactgtgtc	actcttcaat	ttttttataa	gccattgagg	aaaacattaa	240
ctcvtggatt	tcagcttcac	ttttaacctg	cagactaaat	ttctttctca	attatgtcag	300
acacacccaa	gtcaatccca	acccccctgt	taccttgagg	agaccgtgct	gaaaaaggag	360
atcttccacc	taaacagtgt	tctcttattt	gaagcaaate	tttttgagaa	tttgtttact	420
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<210> 32195
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 32195						
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gtaaagaatg	tggaacttctg	aggaattttc	ttttaaaaag	aacataatga	agtaacattt	120
taattamtyc	aaggvctact	tttggttgaa	gtttataatc	tagatacctc	tactttttgt	180
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gttactcagg	attctggaag	tactaagccg	tagttaacag	gctggataga	tcttcagcca	420
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<210> 32196
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 <212> DNA
 <213> Homo sapiens

<400> 32196						
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aggtcacmaa	cytaaccgag	acatcacatt	cccccttccc	tcttgatatg	ttctctttga	180
cttgcttgat	ggtttttttg	aaagaacatg	agtttagttgc	tagtaatagc	aaatttcaca	240
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<210> 32197
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 32197						
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acatatgcac	agtcaagggtc	atgatgttga	tttgctttca	gctgtttctg	tgattataaa	180
gcatttttta	agagacaaaat	tttaactttt	aattttttatt	ttggcaaac	tgtcaaatga	240
gaaaaatgat	tttaaaaact	tttttttcaa	ttgacaagac	tttaagtcag	ggataaacagt	300
attaatgttc	tctgtttctgt	ttcnatgtta	aattttaattt	aacntggata	gccacattaa	360
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catgcagt						428

<210> 32198
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 32198

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tggtgataca	aagtttcttg	ggccactatt	ttcagagaaa	actaagctgt	actaagctgg	180
aaatattggc	tgagggccat	tttgctcaga	tctctcctcc	catctggact	tcgtgcccc	240
gtgcattctt	aaacaccaa	tcacaaccc	ttctcacctg	ctgaagtgg	aaacagtttt	300
ctggctgttt	ccgatgttag	cattaaagat	cagatttctg	tatgtgactt	gcctttctcc	360
aatggaaaag	gtgcccattt	ctgatattta	cacnnnctac	agatatattt	atagtttctc	420
ttggatttcg	ggtaatagct	a				441

<210> 32199
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 32199						
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gtcgttgcnt	ttaatttgta	aagctgtdat	aaatatatat	tatatataa	tattahhhhg	180
gaaaatgttt	cagatgttta	tttgtataat	tacttgattc	acacagtgg	aaaaaatgaa	240
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<210> 32200
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 32200						
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ttatctatat	ataaacccat	gattttaa	tttatttttc	taaacatagt	attcaactta	180
gttgaataaaa	tatatgatag	aagttaaata	gaatttttat	ttcattctta	agaaaaactc	240
atgtttgtaa	caaatgatat	ctaaagatct	attttgcctt	accagaaaag	aaaaaaaaaa	300
ccctaaaacc	aaaaactcct	tttccctr	argtcaaaaa	tgctgta		347

<210> 32201
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 32201						
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aatagcattc	a					131

<210> 32202
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 32202						
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gttttttagac	tgcttagcat	tktggttg	agatgggtca	taatataatt	daccagttcc	180
tggtgatgaa	gcttgaggtt	atttctaact	ttccaactga	taaatagtgc	ttcaataaac	240

atccttat

248

<210> 32203

<211> 417

<212> DNA

<213> Homo sapiens

<400> 32203

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tatTTTggta	agtgttccgt	gggtacttgg	raagcatagt	gttgttcaag	tctattctcg	180
ctgattttct	gccttcttgt	tctatcactt	attgagtaaa	gggtattgaa	acctcagatt	240
acctagaaat	tgtctgtcac	ttttttagt	tctatvcact	ttggtctcat	atattgtgag	300
gctggtttgt	tattaggggc	ataaagactg	aggattgtta	tgttttgttg	attaactgaa	360
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<210> 32204

<211> 425

<212> DNA

<213> Homo sapiens

<400> 32204

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cgctggttcc	cgaagcagwt	cccttctccc	gakagtgtcg	agadactttc	ccttgtcccc	180
gacgtgcag	cggtctgggt	accgtggcag	ccgcaggttt	ctgaaccccg	ggccacgctc	240
cccgcgcctc	ggcttcgcgc	tcgtgtagat	cgttccctct	ctggttgcac	gctggggatc	300
ccggacctcg	attctgcggg	cgakatgccc	ctgggacaca	tcattgagct	ggacctggag	360
aaaattgcct	ggagtacatc	gkgccctgtc	tgcacgaggc	aatgggtggct	tgctatccgg	420
gaaat						425

<210> 32205

<211> 186

<212> DNA

<213> Homo sapiens

<400> 32205

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ggcaggagaa	tagcttgaac	ctaggaggca	gaggttgcag	tgagccaaga	tcataccact	120
gcactccagc	ctkgggtgac	agagtaagac	tccacaaaaa	aaaaaaaaaa	aaaaaaaaaa	180
aaaaaa						186

<210> 32206

<211> 215

<212> DNA

<213> Homo sapiens

<400> 32206

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gagccaccgc	gctgggcctt	attttatttt	taagagatag	agtgttgctt	tgttctccag	120
cagaagtgca	gtractcagt	catgggtccac	tatagcctgg	aattcctagg	ctcaagtgat	180
cattctgcct	cggcctccca	agtagctgga	actac			215

<210> 32207

<211> 464
 <212> DNA
 <213> Homo sapiens

<400> 32207

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caagtcattg	awgggtyctt	cgaggtagtg	ttaaactgaag	tgttcttcag	tttgtcaaga	180
taatgttcag	tgcttggcac	ttaaataaca	ttttttgcaa	gaactccrrg	gcacattatt	240
gaatgccttt	aaccaagtgc	attctdggaa	gtttgcttga	ctcattatct	tgcttttctg	300
cagcattctg	tgatttgagt	catccatgaa	tccatgaata	aaagttacat	tctttgattg	360
gtaatatggc	cattttataac	aagactcact	aatgagggta	tcactttgac	tgactgattt	420
gttaaagttt	tkaagcctct	catttttcta	acccagaat	caca		464

<210> 32208
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 32208

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ctactttaaa	gtcatatgga	acaaaaaaag	agcccgcat	gcgaagtcaa	tcctaagcca	180
aaagaacaaa	gctggaggca	tcacgctacc	tgacttcaaa	ctatactaca	aggctacagt	240
aacaaaaaca	gcatggtact	cgtaccacaaa	cagagatata	gatcaatgga	acagaacaga	300
gccttcagaa	ataatgccgc	c				321

<210> 32209
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 32209

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ctaattctcct	gtgtcctgag	ctcccaggac	cccagaggca	agcatggagg	ggccacgctg	120
gcaggtaaag	ttgaaaccca	cagtggctta	ggacgagctc	ctgcacagcg	gcctgtttcc	180
caattgcatc	gtgtatctct	ttgcctctct	tggtcagcc	atggccccag	ccccaggcca	240
tccaaggggc	agcctggtga	ggtttcttca	dctttgctaa	tgacttgacc	tacagtctta	300
agtcaagaag	gtgtcgctct	cctttgtgat	ggctggacgc	acaggagctg	tggtcaggat	360
ggggctagag	gagctgaaat	cccagngcaa	caaggggtatt	taaaaacaca	tcgcagagaa	420
acagctaaag	agtcttgga	ccaggaatca	taagctgttt	gatgggatga	actatcttgg	480
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<210> 32210
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 32210

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ccccaaacct	ccctggctct	caaggatgac	cacattctga	tacagcctac	ttcaagcctt	180
ttgttttact	gctccccagc	atttactgta	actctgccat	cttccctccc	acaattagag	240
ttgtatgcc	gcccctaata	ttcaccactg	gcttttctct	cccctggcct	ttgctgaagc	300

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<210> 32211
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 32211
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 attcctctat grrgaccatg gtgttttggt tatatccttc ttctttttta atgtataatc 180
 aaattcttat tattttctat tttattactg tcttttcacc tttcttttcc tatttggtgc 240
 agaattttta aggggccctg agatagcttt gcttcgtaag cgctgcaac aactgaggcw 300
 nnagaaggct gagcagcaga ggcagcaaga gctagctgca cataccagc aacagccttc 360
 cacttctgat cagtcttctc atgagggctc ttcacaggac cctcatgctt caggttatta 420
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<210> 32212
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 32212
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 attggcagtc actcgccatt tctaagcaga tatagtacta cctttcagaa ctcacattgg 120
 caagtgtaaa aaggatgrca t 141

<210> 32213
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 32213
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 ggaagaggag ttgctagtac tggcattggg ttctcttctt cttttttttt tttttttt 118

<210> 32214
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 32214
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 cgggcgagcg gcgacggcgg cggcggcggg c 91

<210> 32215
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 32215
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 acatttggtt cacctaggca gaactcttga gaggaacttg gtaattgcat tgatttgta 120
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aactggcac

189

<210> 32216

<211> 428

<212> DNA

<213> Homo sapiens

<400> 32216

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taacacagga	acaggaaacc	aaacaccaca	tgttctcata	agtgggaact	gaacaatgag	120
aacacatggr	macggagggg	gcaraaasac	acaccggagc	ctggtgggaa	ggtaggggga	180
aggagagcat	caagataaat	agctaattgca	tgtggggcct	aatacctagg	tgatagggtg	240
atagggtgcag	caaaccacca	tggcacatgt	ttaactatgt	aacaaacctg	cacatcctgt	300
acatgtatcc	tggaacttaa	aataaaatag	aaaagacaaa	gaaggatatt	acataatggc	360
aaaggcttca	attcaacaag	aagacctaac	tatcctaata	atatattcat	ccaacacagg	420
agcgcggn						428

<210> 32217

<211> 449

<212> DNA

<213> Homo sapiens

<400> 32217

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cgggggaggt	aacgtccctg	agtcacgcct	cgtggaagag	gggaagggct	gctttctact	120
ttctcgttct	cyttcaaaga	aggatggcct	ctaaatctgg	ttttccgatt	tttcccttct	180
cctttcatga	ctcacaggcc	tctgtgtcca	ccagggtgtt	tggttggttt	taaagagttt	240
ctaagctttg	tgttcttgga	agaacctcat	atgccccata	aaggaacttt	tctctgaagt	300
agaggatcgc	tttttgggcc	cagactcctt	tgagaaaatc	tggaaagcca	aggttggtct	360
tttaaagaat	tattgaagac	gaagggtttt	ttctttttat	ttttttaatg	gctttacaga	420
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<210> 32218

<211> 440

<212> DNA

<213> Homo sapiens

<400> 32218

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actgtaaaaa	cagagtctaa	tatgggaaaa	taaatatgaa	aatagcatga	aatgctgttt	120
cccagrttgg	cvagataaga	ccagaacttg	gtccaagagc	cagccaccca	gggagactcc	180
tgctttccac	agaggagacc	aggttcctgt	cgtgctgggt	gttcgtgtca	ggcagtcctg	240
caaactttga	gtctgcgcas	gtgccagaat	agcttggtgt	tcagtcctgt	gtcaagaagc	300
hngtgdracc	asangttgga	gaaaagcatc	ayacgtcgac	ttacactttc	tcatttccca	360
cgttccagtc	tcctgggaag	ggcactcttt	cgccacgttt	tcctgvntct	tggtcaaatat	420
taactctttg	cagatcacta					440

<210> 32219

<211> 105

<212> DNA

<213> Homo sapiens

<400> 32219

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ccacaagggg tgacaccatt tgtttacagc tctatccac ccctc

105

<210> 32220
<211> 412
<212> DNA
<213> Homo sapiens

<400> 32220
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gttttaaaaac ttaaaaactc actcaaaacc actcaactgc atggaaactg aacaacctgc 120
tcctgaatra aaagtgggta tataatgaaa tgaaggcaga aataaagatg ttctttgaaa 180
ccaacgagaa caaagacaca acataccaga atctctggga cacattttaa gcagtgtgta 240
gagggaaatt tatagcacta aatgcccaaca agagaaagca ggaacgatct aaaattgaca 300
ccctaacatc acaattaaaa gaactagaga agcaagagca aacacattct aaagctagca 360
gaaggcaaga artaactaag atcagaggag actgaaggaa atagaggcag cg 412

<210> 32221
<211> 331
<212> DNA
<213> Homo sapiens

<400> 32221
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caaaacttttc taggatgaag acagcttatt tttaagttgt atagtcttag ttggtttagg 120
gtctcaattt taaatwrgta raatacttgg tktktatktg cttgtccttt tgaattcctg 180
ttttaataat tttaaaatga gcacaaagaa tgttgaagtt cagattaatc tcttctgaat 240
gatgtktttt tcvttctgtga tgagttgttt ctgacttttt tccttttgta tttgtaatgt 300
tgattaagat gtaaaataaa aagtgtgccc t 331

<210> 32222
<211> 182
<212> DNA
<213> Homo sapiens

<400> 32222
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atgtaagtca atcttacttg aaagttttta gacttttaac acgatggcca taacctgaca 180
tc 182

<210> 32223
<211> 297
<212> DNA
<213> Homo sapiens

<400> 32223
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cacctcatgt ttagccatc aactgtcaga tctggaaaac tcaattttgt tggtagctga 120
gaaatgctat ccaarwcatg ctatccaaat acaagacttg gaaatataaa ttagattara 180
acacgatgta ctgatttaca atgaaaatta taactcgtac ggatcagaat tcttctgtgt 240
ttcatgtctg tctcaagtct gtttactcag tctttctttg gataagaaat actttta 297

<210> 32224
<211> 220

<212> DNA

<213> Homo sapiens

<400> 32224

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gccctcagat	tccagaatcc	aatttccttg	atttcagtgt	ttttaagcta	ctcgggaggg	120
tgaggcagga	gaatcgcttg	aacctgggag	gcggagggtg	cagtgagccg	agacaccatt	180
gcaccccgag	ctgggcaata	agagcaaac	tccgtctggg			220

<210> 32225

<211> 153

<212> DNA

<213> Homo sapiens

<400> 32225

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gagtcctggt	ctgtcgctta	ggctggagtg	cagtggcgct	atctcggtc	actgcaagct	120
cgtctcctg	ggtttaaaca	attctcctgg	atg			153

<210> 32226

<211> 223

<212> DNA

<213> Homo sapiens

<400> 32226

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gctttgtaca	actgaggagt	tacagtgaag	tgtaaccag	gggtccaggg	agcgagttga	120
aaagatggag	tgagtgtatt	tcagccagg	gagctgcagg	gtggatttga	ggggccatac	180
cctctgagca	cttaaaaaag	gtatttgctc	caggccaggc	aga		223

<210> 32227

<211> 197

<212> DNA

<213> Homo sapiens

<400> 32227

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aaataggrta	tattggaatg	aagacatgta	tgtaaatgcc	agggagttag	gaccatagat	180
cgttttgagc	agaagg					197

<210> 32228

<211> 409

<212> DNA

<213> Homo sapiens

<400> 32228

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aaacttggtt	ctttgaatag	actaacaata	ttgataaatc	ttttatataa	ggttaatcat	180
aaaaacccat	gaataactct	atcgagaata	aaactatatc	aggaataaaa	atcatataag	240
gaataaagaa	acagagactt	ccctcagatt	ctacagaaat	ttaaaagatt	gcaagataat	300
atnnacaact	ttgactaaat	gtgaaagtaa	aatgggctgt	tactgghnaa	gnataactta	360
ccaataatgn	ccaagaaga	aatagaaaac	ctgagtagtc	ttatatcca		409

<210> 32229
<211> 210
<212> DNA
<213> Homo sapiens

<400> 32229
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caaaactgca gctgaaataa taccttagat ttctaggtaa gtctttccac atttcaataa 120
tgggtaagag tagmaccagg gccgggtatc aattattgck tgctgtttgc aaccaggcat 180
aaaatcactt tctcaaatca tccaccgcat 210

<210> 32230
<211> 183
<212> DNA
<213> Homo sapiens

<400> 32230
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tgtcagctaa gttcacttct gaactaaggg gttcctccaa atgttggtg aaattcatcc 120
caaggctggt ctgcaaagtc tgcaattcat aatggagcta ctgtactggc tattggaagg 180
agt 183

<210> 32231
<211> 299
<212> DNA
<213> Homo sapiens

<400> 32231
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actaaaaatg caaaaattaa ccgggcatgg tggcactgcc tgtcatctca gctactcagg 180
aggctgaggc atgagaattg cttgaatctg ggaggcggag attgcggctg cagtgagccg 240
agattgcgcc actgcattct agcttgggca acagagttag actctgtctc aaaaaaaaa 299

<210> 32232
<211> 469
<212> DNA
<213> Homo sapiens

<400> 32232
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gggtgcatga agtgaatggc tgaaagctct tcatagaagg aaggtgggtt acatctgtgt 120
gcctaggtgr aamykgtttt agtaggtttc atagcagagt aacaaacagg agaaaacagc 180
ttctaataatt tgtcatgat tagtcttctc agtttaactt cttagcattt tgagttttatc 240
cagttttctc aagtaataaa aaatactgtc taaaggttta tttggttttc tcttgagaga 300
gaaatagtaa gatatgcata gttaattcta cacttccact atgattgaat gagaaaagac 360
ctttatcaaa actatttgat aggttacggg cacaaataga ttagctttta gtacaagttg 420
aatacttcat gctgctgata cggaacaatg gattatttga ttcggggatc 469

<210> 32233
<211> 426
<212> DNA
<213> Homo sapiens

<400> 32233

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gactgccttt	agtgaactct	ctcataggag	agactgatat	atgagctagt	aattgtaatg	120
aagkgkgraa	argtgctgta	mctattgtat	gatgagttaa	gagagtatga	aattgaaacc	180
agggaaaatt	tgctttcccc	tccaaaacaa	ttgcctgggc	tttttgccat	ctctgaatcc	240
tatacataca	gattacaatc	accataatgt	attgtgaggg	tgtatcttta	cccccaaaga	300
cctcagttta	gtaggggaga	aattttgcat	cttctcagct	ttgtatatct	aagtatttgg	360
catatactta	ggtgaatcca	ttgkdkattt	gaattgcatg	tgggtcattt	ccagcaaaag	420
ggatgc						426

<210> 32234

<211> 255

<212> DNA

<213> Homo sapiens

<400> 32234

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gaaattatatt	tactgtgttt	catcaatcta	atgtttatatt	ttattacacc	agtaatttcc	120
tcatttggtg	kgaatcttac	agtggcttat	aaatctacat	gtacctagaa	atgttttagcc	180
agtccatgta	tatttgatgt	ggcacatttt	ttcctttgaa	tcacatactc	taagagaagt	240
aacttctctt	tgcta					255

<210> 32235

<211> 209

<212> DNA

<213> Homo sapiens

<400> 32235

tgaatcagat	ttaaaatgaa	gcatgcattg	agtgtgccaa	ggaactaagt	ggtccatagc	60
agcagtaatg	ttcatagggg	gagagatgcc	tgctatgaaa	cagcaactct	caaacatttt	120
tatctcaaga	ccatttggtt	atgtgagcta	tatatattat	tatattaaat	attaaatttt	180
taaaatattt	atttatgggc	caggcacgg				209

<210> 32236

<211> 163

<212> DNA

<213> Homo sapiens

<400> 32236

ctgctccttc	tccctggaat	gtcctttcgc	cagatagctt	tgcagcttgc	tccctccttc	60
cttcagatct	gtactcagat	atccccgctg	tggccaggct	gtccatggca	gtcttacgat	120
tccagcccct	ctcctgcaac	tttttctcct	tagccctcta	cga		163

<210> 32237

<211> 244

<212> DNA

<213> Homo sapiens

<400> 32237

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gtttttgaga	cggagtttgc	actgtcaccc	aggctggagt	gcagtggctt	gatctcagct	120
cactgcaagc	tccgcctcct	gggttcgcgc	cattctcttg	cctcagcctc	ctgagtagct	180
gggactacag	gtgcccacca	ttatgcctgg	ctaatttttt	gtatttttag	tagagacggg	240

tacc

244

<210> 32238

<211> 298

<212> DNA

<213> Homo sapiens

<400> 32238

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actccaagaa	ggtgactctc	taagaaaaac	aaagtaattg	gaggcagaat	ccctgtgttg	120
caattaattc	accaggttac	cttgaacaag	agctctgcag	ccctttccct	gnccctcagt	180
acagcttgag	catcccta	cccaaaatcc	aaaaccaca	atgctccaaa	atccaaaact	240
ttttgagcac	ctacatgacg	ccacaagcag	aaaattccac	atctggcctc	atgcaact	298

<210> 32239

<211> 483

<212> DNA

<213> Homo sapiens

<400> 32239

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attgcagaag	gctgtggatt	aattgtagca	tttactgat	cttcactcca	gtcactaggg	120
acaatagaaa	cctgcaaaac	acagattcat	tcgtaaatat	tattaatagc	ttattaaagg	180
aaatggctct	trhtaattcc	agtcagataa	tggcattgta	cagacatggg	aaacaaccaa	240
tttttttggt	tttcagttgt	tgctatgaat	gattttgagc	cttttttttt	aagcttggca	300
aacatcccag	ctaatacaaaa	tagtcatatt	cctgagaagt	aggaaactaa	aacttctttt	360
catataattg	ttagaagggt	tgtttcccaa	actaccatag	ttacaaaagg	gaaaagccaa	420
attttaggac	agaatcaaaa	gaataaaaaat	ctgtgaagag	atctactact	cttccttcta	480
tgt						483

<210> 32240

<211> 239

<212> DNA

<213> Homo sapiens

<400> 32240

aaaagaaaaa	tgattctgga	catttagctc	catttgtact	aactagcaaa	taccctaaat	60
acccttaaag	acctactggt	cgaatttctg	aggttttttt	gttgttgtct	tgacttttag	120
cagcatttaa	aacattctct	taaattagka	tcttttaggat	cttcattggg	atcattacat	180
cttttgtata	aggtcaagga	aaaattccaa	agtttaaggc	cagcctaggc	aatactatt	239

<210> 32241

<211> 348

<212> DNA

<213> Homo sapiens

<400> 32241

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ctcatagatc	ttctttgaga	aaccagtgat	actgaaagac	aaggggggtct	acactcttgc	120
gttaggggtt	cargraagta	gaattgggtc	aggaagagaa	agatcacttt	caggctgata	180
agttgcaatc	accagagtg	gtagagtgtg	gatttgggag	ttaaattacc	tagtgctgca	240
taacataata	gaywcggwya	gaagtggatg	gtggcttaag	aataagtatg	tgagtktttt	300
tctcagtgat	ctttgtgcha	gtagagcact	ggattagcca	ggagctat		348

<210> 32242
<211> 208
<212> DNA
<213> Homo sapiens

<400> 32242
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ttctgcttct cccagcttct ctgtccatct cccccaatgg cctctctcta cactctctgc 120
ctcagsttcc aagtctctgc tgggtccctag gaagcacttt gacctctgct tccccttcaa 180
atgctgtgga tcaagcctcc ccaacccc 208

<210> 32243
<211> 89
<212> DNA
<213> Homo sapiens

<400> 32243
ataatgaccc aggctgwkaa ggggtgatacg gagaacggaa aggagaaggg cggcgmgaag 60
gagaaggagc agcgcggcgt gaagcggcc 89

<210> 32244
<211> 176
<212> DNA
<213> Homo sapiens

<400> 32244
tataatctta ggtagaacaa cttttttata agaagtatta tttgaccact tcaggtatac 60
attcaatact gggtaaaaaat ttcagacctt tctcaggaac acagaaatat ttgggtgtcct 120
gataagsact ttctagacta ttgatgtggc caggartttg gaaagacgac acactg 176

<210> 32245
<211> 161
<212> DNA
<213> Homo sapiens

<400> 32245
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tctgggtgat gcaaaaaatg gaaaaacaga agccgtttat aaaggatcta taactttttg 120
tagcaacgtg ggagaaatct tgatagtaat tttttttttt t 161

<210> 32246
<211> 175
<212> DNA
<213> Homo sapiens

<400> 32246
attcacaaca ctgtgtagct gcctcctata ctgaatagga ttaacttgta tagcaataag 60
gtactgcgga aatgatagag tatgagatag atataaaaga cactgtggct tccagcttat 120
gcgttcttgc tgtccttttg ctctggagaa aaccagttga cgtatcacag ggcgt 175

<210> 32247
<211> 375
<212> DNA
<213> Homo sapiens

<400> 32247

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tggaacttca	ctgagatgca	aaatcaagaa	ctgaagccta	gttgctagat	aacaaaaagc	120
tataaatgtt	atgtatgtga	attttaaatt	agaataaccg	tcttaaactc	ctacttgcca	180
tttctaaggc	aaagcattca	ttttaaatatt	gtactttgcc	ttttcattca	gttagtggag	240
taagtcatga	aacccttagg	aagaaaaaca	agttatgact	tattcactaa	aattgatgca	300
agacagttgg	ttctagatga	ccatggccat	gtgttcatca	tataaaacct	tcagttctct	360
ctatggtgct	tggt					375

<210> 32248

<211> 331

<212> DNA

<213> Homo sapiens

<400> 32248

ttccggccct	gctgtctgcc	tccccggctg	attggattcg	ttactgcttt	gcaacgcgca	60
cctaactcca	gacggggtct	cactctgtcg	cccaggctgg	agtgcagtgg	cacaatctca	120
gcttgctgtg	avctcagctc	tctgcgacct	ctgcttgctg	gactcaagcg	atcctccac	180
cacctcagcc	tcctgagtag	ctggaaccat	catatkcacc	agcacgcctg	gctaagtatt	240
ttgtgttttc	ttttttttta	atttctagag	acaggatcnt	gttatgttgc	ccaggctggg	300
ctcaaaactct	aggactcaag	tgatctaccc	c			331

<210> 32249

<211> 258

<212> DNA

<213> Homo sapiens

<400> 32249

ctatatatgc	tacattttat	ttatctattc	gtctgttgag	ggacacttag	gctaattccc	60
tatcgtggca	gtggtgaata	gtggtgcat	aaacatgggc	atgtagatct	ctctttgata	120
tactggtttg	ttttcttttg	gggtgtatacc	tcgcagttag	agtgtgtggat	taaatggtgg	180
ttgagaaatg	accatgctgt	tttccgtaat	agctgtacta	atttatattc	ccatcagcag	240
tgtaccagag	tgtccctc					258

<210> 32250

<211> 267

<212> DNA

<213> Homo sapiens

<400> 32250

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tgtttcacag	tgggcgaggc	tggtgtggcg	acagtgtgg	cccacatggc	tggtgtggga	120
gccagctctg	cccatgagg	gccgtgtggc	tttgacgtgt	ggcctcacaa	tcccagcttt	180
gtntcttccc	caggagatg	aggctgttga	tgctcaagat	ctcagaggcc	ctgcccaggc	240
tgagtatctg	tatataatat	ccccctc				267

<210> 32251

<211> 478

<212> DNA

<213> Homo sapiens

<400> 32251

actattgact	aactgtccat	acaaaaacat	acaaaagtcc	atattcatag	aatttttgag	60
------------	------------	------------	------------	------------	------------	----

gtgtgtaatg	gggattatgg	gaactacaag	atgagatttg	gggggggaca	gtcaaaccat	120
attagtatag	aaggaattag	gtatagaaag	aactgatcta	tgtggttgat	gcctattgta	180
gtccttacat	cctgtaattc	ctgcattaga	attcagtggg	attattgtta	ccattatatt	240
attgctatgg	tcattattta	ttgtttttta	ttgcctttgt	attaaaggag	gtgcttggtta	300
tggcatgtca	tawattatta	tattatgaga	acacttcaga	gcttcagggt	agatacccaa	360
tttttgactt	gatctctgta	ctcagtttatt	tcacaagccc	tacaacctca	aaactggagt	420
tcattggtttt	cctctaacca	aacccatgac	ttccaaacct	tatgtctcct	ccagtgtt	478

<210> 32252

<211> 343

<212> DNA

<213> Homo sapiens

<400> 32252

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taaaattttt	tgagcctgcc	taaaggccag	atgctatcag	cagctgaaca	gcctctacaa	120
aaaccagctg	gaaaagamca	gaagcagaac	aactggtttg	ttggagagat	ctgataacaa	180
aaatttgggg	aataggtaac	ataataactt	ggggtagagg	ttatgcttgt	ggttctccag	240
gactgaatca	acagccaatt	tggataccat	cgagacacct	gaaaccttat	catgagccag	300
atgctgagga	agagattcca	ggaggatcct	gaggaccccc	cgt		343

<210> 32253

<211> 142

<212> DNA

<213> Homo sapiens

<400> 32253

atgattatta	taatgtattt	taaaatatga	cactatatctc	aaacatacca	ttataatatg	60
tcaaattgga	atatggacag	aatatatgag	acaacctgtt	cacaactgtt	taatgaggag	120
gttatccaac	attaaggaat	aa				142

<210> 32254

<211> 387

<212> DNA

<213> Homo sapiens

<400> 32254

tgttttcctc	aatgaaatgt	gaacagaaga	gccagggaag	tattaagagc	ttgtgtgccc	60
ttccttctgt	gttgggtgaga	ggttttttcaa	gacggaggct	ttgtcacctt	gaccttgas	120
tgactagact	ggawastsc	cytctgctga	ctgctgttgg	mcacattggy	taattgataa	180
acttctgaga	ttcaaggcat	ggttggagga	aggagactat	ttgtaaccac	acgtaatctt	240
gtctaactta	atgtgcctaa	atatctttca	cacactctta	agcttggttg	tgccagggtat	300
ttatctggaa	tcgagggcyc	tctgacttaa	caatccatgg	ttttttcatt	tatttcctct	360
cttttggtat	cayatgacct	gcaggaa				387

<210> 32255

<211> 448

<212> DNA

<213> Homo sapiens

<400> 32255

acagtggctc	acacctgtaa	cctgaggact	ctgagggtgga	gacggggcaga	ccacctgagc	60
tcaggagctc	aagaccagcc	tgggcaacat	ggcgaaaccc	tgtctctact	aacactataa	120
aaagttagcy	gggcsgttgt	kggtgcatgc	tgtagtccca	gctactcagg	aggctgagcc	180

acgagaatcg	cttgaacctg	ggaratggag	gttgaagtga	gccaaagatcg	caccattgca	240
ctccagcctg	gggaaaaaaa	aaagccaggc	ctcctaattg	actcatttaa	acatcacttg	300
tgtccacctg	ggttcagaat	tgtgctggac	atgggataca	caaagtttca	attggcctct	360
tggtgccaaa	gcaccatggc	gtgttacacc	tatcagwtcg	ggcacactgc	cccttcttcc	420
caacctacga	gctgaaatgg	csagcact				448

<210> 32256
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 32256	
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atgttattggc	120
gcattttaagt	180
gggtccatatt	235

<210> 32257
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 32257	
cacattttcc	60
aaaaatgcta	120
tcgttgacta	180
acaacaatga	240
aattgtctta	300
ccaat	305

<210> 32258
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 32258	
agtattttca	60
tccacgcaac	108

<210> 32259
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 32259	
gatggtgatt	60
ctagtagtg	120
cttgtcaact	180
acagcaciaa	240
tgtgttgatt	300
ccgcccaggc	360
agcaattctc	415

<210> 32260

004220" 666E1560

<211> 181
<212> DNA
<213> Homo sapiens

<400> 32260
caatttgtgt agggatgtca aatttcaggg ttttttgtt gttgttgtgt tattttgtgg 60
tattgtgctt gttttgtgaa agaattgttt gacagggccc cttttgtata ggactgccaa 120
atcatgggtt ttgcctttkg ktgtkgatt ttatcctctg ttggtaatac tgaatggtag 180
t 181

<210> 32261
<211> 317
<212> DNA
<213> Homo sapiens

<400> 32261
gatggccacc tcccaccgag tggcgaastg gtggcctcca gtctccagac cccggtaaata 60
cccactactg gagcgcggtt cgcccagtag gaacgcgaag accccttaaa ggccctggcg 120
gcagcggagg cgatcttga ggacgaagag gagkwgaaag tggcgacccc gctggggcat 180
cggctgattt gaacaccagc ttttctgggg tggatgaaca tgcaccgata agctatgagg 240
actttgtgaa ctttcctgat attcayvact ctaatgagga gtatttcaag aaagtagaag 300
agttgaagac tgccac 317

<210> 32262
<211> 412
<212> DNA
<213> Homo sapiens

<400> 32262
gaagaattgt aatcatttat gtctctgcat ttcatttcag tagtgctcay atgcactatc 60
aaagttatbn nctatttccc tggtaatcac ttgcgtattt gtcaaataag ggtgtatgtt 120
gaataaacat gtggmtttta tcaatttggg aaacatttat tgcataccct cacaggbhta 180
aagaaggcta caaatcagta cagcagaatg ccttcaaaaa cttacaggac acaccacca 240
agtgtctgag agcagtcaga agttccctat gagatataag tggaaaagag gttcaganga 300
tcaaaaatgt acatgtgatt ataggaatga gaatttgata tgaataccct gaagaatttc 360
aggtttggyn ttggvcattg gcactctgtt tttctcagtt gatcttttgt tt 412

<210> 32263
<211> 247
<212> DNA
<213> Homo sapiens

<400> 32263
tttacacatg ctggaatgac tgtaattact ctagaattcc aagtagaata caataacttt 60
taatattgag aagaatgttc atgctaattc ttcttacatt acaaaaaggcc tttgaggatg 120
cctacgtctg aaatttgctc ttacgaactt taataaaaata gtttagctaat agaaaaacag 180
gtaagaataa agcaatgttg ccttaatttc aaaagctgct attttagaat ttgaataagt 240
actccgt 247

<210> 32264
<211> 460
<212> DNA
<213> Homo sapiens

<400> 32264
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 atctctcaat gacttccagg tcaggaacca tggtagacca ttacgaggtc acctggcctg 120
 accattgagc tttgcctgct cccaactgac ccctcactga tggctcaggg agagttgatg 180
 agggggaraa gcmrccttta tagggcaggg tctctggggg aggactgctt gctgccctgc 240
 acttggctat gtggcagatg ctggccttga tgggagtcca cagaaaatgg ggcctcactg 300
 actgcttgtc naggtatctc agtgggaggg aatgggagtg ggaaatggag tndtcaaggc 360
 cacaagacag gccgccatag aactttggcc ttggggaatg aaccaaagct agtttggaga 420
 gtagggtgat tggggtgatc acttttcctt ttaaagcyky 460

<210> 32265
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 32265
 cattttatca gatgattttt cagcatttta tatttcaaat ctatgtagta taagcactcc 60
 tgtttaattt ttcgattaat aggaggcaag aaacttggtt gtttggtggc tttttatatt 120
 ttcttaggta tatatcctaa gaagtgtaat acaccaaaca tgattggaca tcctgcagtg 180
 ctctgatatt tttgtctgac tctaagtgrt ctagacyaat ttgtycctaa acatwakcta 240
 tacacttttt kaaaaaarat taaaggcttt cttggctctt tccccagaga ttctaataca 300
 ctaggtctga gaggaatcct attgtatttt caaaagctct ccaaattttg taaccactag 360
 tatagactaa gatataaann ghwcaggaca ttgtgaacta agcccagtac atttcctgga 420
 agttggctgt tgttttaaat ttcacaggag ctttcattat gattagacac tc 472

<210> 32266
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 32266
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 agttttatca aacagcttat atagaaatgc aactgggctt cctctcccta actaaaaagt 120
 gctgtcatgc tgtgtgttgc csagcattca cagagactgc acaagtgcc a ttggtttggg 180
 gcaaactctgc ttctaccgaa aagatgaaaa a 211

<210> 32267
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 32267
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 ctaaaatgaa tatcttgcag aaatgaaagt tgaccttagt ggcagttggc ctaaggcaca 120
 taggatatgr rcttttgcaa agtataccct gtgcaaagac aaatgaagac aattctgatt 180
 gagacctgat tttaggtgtt ggaaaaaatc atagcagtat attgaagatg gggaggaccc 240
 atggaaacca cctagtccaa ccccatcatt tcagacataa aactcagggt gctgagtcct 300
 ataatggcct ca 312

<210> 32268
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 32268

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ccttgctaab	mstttccagc	aggggaaagc	atatttcttg	ctggtctttg	aagattttt	118

<210> 32269

<211> 378

<212> DNA

<213> Homo sapiens

<400> 32269

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ggaaagaaat	gaaattatgt	gatgaggttt	ctaactgggc	ccaggagggg	gcgaggtagg	120
caaaacagrg	actagctctg	cctggaggaa	raaaaaagca	acatttgtga	ccagcctagg	180
cgacatagtg	agacctgtct	ctacaaaaaa	tatataatta	gctgggcgtg	gtggcgcgcg	240
cctgtggtcc	aagcttctcc	ggaggctgag	gtcgggggat	cgcttgagcc	ctggaggctc	300
ttgctgcatt	gagccgtgaa	cgcaccactg	cattccagcc	tgggcaacag	agcgaactct	360
atctcaaaac	aagacaaa					378

<210> 32270

<211> 309

<212> DNA

<213> Homo sapiens

<400> 32270

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taatttgaaa	ctcctggcgg	ggtgtggtgg	ctcacgtctg	tgatcccagc	actttgggag	120
gccaaggtgg	gcggatcaca	tgagatcagg	gagttaagar	gaccagcttg	accaacacgg	180
ggaaatccca	tctcaactag	ctgggcgtag	tggtgcacgc	ctgtagtccc	agctacttga	240
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<210> 32271

<211> 110

<212> DNA

<213> Homo sapiens

<400> 32271

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<210> 32272

<211> 389

<212> DNA

<213> Homo sapiens

<400> 32272

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ttagttttat	aatttttaaa	accagatctt	tagtgccat	acaaccatct	ccgcttctgc	120
gttcctgacc	tagcgtttac	tcacagcttt	cccaggggct	cattgcmatc	ccacacctct	180
cttttcttag	ataggatctt	ggctgctcac	tacattcctc	tactatctat	cttccccctc	240
ccccataagc	cctggggata	aagccattat	aatatcta	gttacatgat	acttgacatc	300
ttatagaata	gttcaactac	aggattttgt	ttagatcttg	rcaatactct	ggaargagag	360
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004222" 666ET560

<210> 32273
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 32273
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 acgaaccaga cat 133

<210> 32274
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 32274
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 tgactttaag gagaattttg cataagaaaa gaggatttaa gtcacctgaa atatgctgga 120
 gttcgccctg gatgagctgc cgstgccarg tggscwtcac agdtagagat cagggactgt 180
 aaccgaaaa tagagaaaag agtcttttcc cttctgggc agggcagcta tccccattta 240
 cgccttgcc ttcaggcaac accagagggg ggccctggcc agctgccctc agttaccaag 300
 gaactagtag gaaacggcag ctgaaagatt ttctgaaaaa gagawaaagg aaaaggacta 360
 aggtccttca mccgaactgg gtggtagcgg tcaggcactt ccacacagaa atctttccgt 420
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<210> 32275
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 32275
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 aactttgact gacagatagt gggcttgac tttgcttagg gaaagctggg gctgccacct 120
 gccctctcac ccctcca 137

<210> 32276
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 32276
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 gtgcaggccc taaccaacgg atagttgagt aataggggcc tagacgcaa tggaaagaaa 120
 atgggactac c 131

<210> 32277
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 32277
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 agtttaaaaa gcattctggg ggctaagcat ggaggcttgc gcctctagtc ccagcacttt 120
 gggaggccaa ggtgggsaga tcacacgagg tcaggatacc agcatgacca acatggtgaa 180

accccatctc	tactaaaaat	acaaaaatgc	ccggtgtggt	ggtgcatgcc	tgtggtccca	240
gctacttgga	aggctgatag	aagagaatca	cttgaggctg	gcaggcggag	gtagcagtga	300
gccgggatca	ccccactgc	agtccagcct	gggtgacaga	gtgagactcc	atctcaaaat	360
aaataaataa	atggatggat	ggatagatag	cattctggga	tggtatgtca	gtgatcct	418

<210> 32278
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 32278	
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ttagctgctc	tcatgccttt
	taaaaatttt
	tctcccaatt
	60
	120
	180
	220

<210> 32279
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 32279	
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gtactgctgc	tataacagtt
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agaacagttt	ttttccatgt
	gaagcaaac
	60
	120
	180
	210

<210> 32280
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 32280	
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aottcacagt	tactgcctaa
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gacagtgtct	acgtcatttg
cccagtgtct	ctcccatcca
tctgaattac	catgctg
	60
	120
	180
	240
	300
	316

<210> 32281
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 32281	
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	acaaaacttg
	gctgtat
	60
	120
	180
	240
	300
	337

<210> 32282

<211> 138
<212> DNA
<213> Homo sapiens

<400> 32282
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tagaggtcag ctccccgcgtg tctccgctcg acaggggtgct tgggcaggta aggggtccgct 120
cagtagccca accctctt 138

<210> 32283
<211> 261
<212> DNA
<213> Homo sapiens

<400> 32283
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tgtaaatatc ataaaccttg acagtgatgg aatgatgaag ctgagagaag tctgaagaaa 180
tggaaggagt gtgtaggtgt tctaacatcc acaaagcaca cagcagggta ccagtatttt 240
ctgggtaagg ttgaggggca a 261

<210> 32284
<211> 258
<212> DNA
<213> Homo sapiens

<400> 32284
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aaaatatatta aaaagcatct ctcrtaawctw vcttctttgt cattgctgcc attttaactg 180
aagcaaattct ttatgacatc tgaaatgatg gttggatgca attaaaaaaa aatctatgtt 240
ggtgcttttc tcaggcat 258

<210> 32285
<211> 438
<212> DNA
<213> Homo sapiens

<400> 32285
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cgctgcagcc tctgcctcct gggctcaggt gartcytctt gcctcagcct tccaagtagc 180
tggaactgcc ggcgcagtcg accacacccg gttaattttt gtattttttg tagagctgag 240
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ggcctcccaa agtgctggga ttacaggtgt cagccattgc cggcctggcc ttcatttatt 360
tttaatagct gcagmttatc acattgtatg gatatatcat acatatatat watcattcat 420
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<210> 32286
<211> 357
<212> DNA
<213> Homo sapiens

<400> 32286

004220" 6667560

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ctggctatta	tgaatagtgc	agcaataaac	actggagtag	aggatatctct	ttgacatact	180
gatttccttt	cctttggata	tatacctact	agtgggattg	ctggatcaca	tggtagtctt	240
atTTTTtagtt	ttttgaggaa	cttccataat	agctgtacta	attcatattc	ccaccaacag	300
tgttcaggca	ctgtttactt	atattaatca	caatgatcat	gctaatatcc	tgtaatc	357

<210> 32287

<211> 183

<212> DNA

<213> Homo sapiens

<400> 32287

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ataataaatg	aataacatac	rtaccataat	taaaagaata	aagcaggata	tgaagtagca	180
cgg						183

<210> 32288

<211> 331

<212> DNA

<213> Homo sapiens

<400> 32288

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ttttgatata	ttgctagtga	ttgaaattga	taatgttctt	ttgaagagta	aagtgaccat	180
atatattaaa	gttaaaat	aactcagcaa	tcacacgcct	ggtgagttat	cttaaggaaa	240
tcagttngaa	agtaaaatca	atatatgcac	aaagacttta	acatttatca	taaaccagaa	300
aatcgagtt	tcaaattata	tcctatggac	t			331

<210> 32289

<211> 430

<212> DNA

<213> Homo sapiens

<400> 32289

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gtccctatgt	atcccaacac	tggcagacac	ccagcaccac	cctcccagac	ccgcaagaaa	180
gtgaatstca	ctactaccta	stcccctaaa	actacctatt	ttgtgctggc	tggtttgcct	240
gctacctagt	gccgactgct	cccaggcaag	tcccctgctg	cttacagccc	gcagcttttg	300
gggtccctga	ggctgccctg	agaatgtgct	gaggtccagg	atcagggtat	tggtatctat	360
ttaaatcgaa	aaataatata	tttattccaa	aaagcatcct	aagtgcttgc	accctagaat	420
caatcccccc						430

<210> 32290

<211> 501

<212> DNA

<213> Homo sapiens

<400> 32290

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gcaaattctc	aagatcaacc	agaggtgaga	actctgggcc	ttctcaggtc	tttctgagt	180
atgtgcacaa	tgctgggcat	gcatgtggcc	ttctgactct	catgaatata	tcagagctta	240
ccaatgcctt	tatggacata	catttcctta	gcttttttcc	ctggcttctc	ttttaagctt	300
tttggttagt	ttattatctg	tccctcagtc	agcagtgact	aaaacatttg	cbtataaata	360
tttttgacaa	atgcagggtg	cctacttttag	cagtaggcca	gttctgagac	aatataaaga	420
caaacgtttt	gagctgggtt	tccagggagc	accagacagg	ttaaaacaaa	tcattacagt	480
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<210> 32291

<211> 213

<212> DNA

<213> Homo sapiens

<400> 32291

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acaacatgaa	gacaaagtgc	tttttggtgt	ctattcatga	aactgtagaa	gaatattttg	120
agtttttatt	cttatattat	gaagggattc	tttgccctagc	agtggccgctc	aaactgatgt	180
agcattgtac	ttctcaacag	tgaagcctgc	act			213

<210> 32292

<211> 403

<212> DNA

<213> Homo sapiens

<400> 32292

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taaggctgag	aaagatcatc	agacttagtg	acctcttgac	atttgggaga	ctgacttctc	120
cagagttrat	gagggtgaaa	gtactctgaa	ctctctgaat	tatttcattt	atcttttagta	180
ttaaatcttg	tttttacaaa	cctatgagtt	atgtatgata	caggagacaa	atcagttaac	240
tagaatgctt	aattgactac	agttttctct	caatatcctg	gggacaggca	agttgattcc	300
aggaccctcc	cagataccar	aatccatgga	tactcaagtc	ccttacrtaa	aatggcatag	360
tatatagcct	acatgtatcc	ttctgtgtac	tttaaatcat	ctc		403

<210> 32293

<211> 94

<212> DNA

<213> Homo sapiens

<400> 32293

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acatttagga	gatgcggcct	aatgrataat	gaga			94

<210> 32294

<211> 292

<212> DNA

<213> Homo sapiens

<400> 32294

cagaatggac	tggaataatt	taactttcgt	actttccag	gctattagta	ttatctaattg	60
agtggcttaa	agataccaga	aacactgact	gaggtctcca	cctgcttctg	gctgaatgra	120
tgggagcytc	ttagccattg	aataagaggc	agtagccaat	gtttcttatt	ctgaatggctc	180
caggttgact	tttataagag	aaacactcag	ccttttaatt	gctgaaggctc	tgacccatag	240
actaagattg	cacattctta	gtctaggtta	cacttgaact	agactgcaca	ga	292

<210> 32295
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 32295
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 atcctgcaca tatctcaggc ttatgaacaa actaatcct aatagttgga aatgaattaa 120
 aagcttgccg gtggagataa aagatagatt ttggctggat gtgatgactc atgcctgtga 180
 tccctacact ttaggagggc acagcaggag gatcgctga gcccaggaat tcaagaccag 240
 cctggtcaac atagcaagac tctctctctg caaaaaaaaa ga 282

<210> 32296
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 32296
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 atcccaggga tgmasaatgc gaaagaattg tggcagga 98

<210> 32297
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 32297
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 tgagagcctc aagcatatag aagatatatta aatccatctc ccatactctg caatagccac 120
 ataactggwc tattaagttc tattcttttc catatyccaa tgcattttcc atcctgccaa 180
 catttacgtt ttcaaagcaa accctgcc 208

<210> 32298
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 32298
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 ggctgtgtga cgttacagga agaggcagt tgaagtcata gghabkggca gtgtgaagtc 120
 tcaggtagag gctgtgtgaa gsswcaagar gggaaagtgt gaggrcacag gaaggggctg 180
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 ggctgtgtga agccacakkc agaggcagt tgaacatgc 279

<210> 32299
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 32299
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 actatgtgtt aaacttccaa tttgtttgaa tctcttcctt gctctattct gttccaggga 120
 gttattaggt caaaacaktt ttatgggaga agarstagta agcgcagtat atggaactaa 180
 atttaaaata atttgaaaag gatactgtct aagggaatca aacaagaata acaggggc 238

<210> 32300
<211> 463
<212> DNA
<213> Homo sapiens

<400> 32300
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agaacctgct tatctggttt tcaaagcaca tggccgtact cttagcaatt ctaggccttt 120
gaaaaaagag tagagttgtc tgctattcat ttctcgtcag aagtctatcc aaaaagtgat 180
aattagagac aacaatctaa agacatgtag gtccccttcc ttccaccaa aactgctcac 240
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aatttttagt catttttggg wttatttttc ctatatccac atcgagttat cagcagaact 360
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ctggtccagg ccaccatcat atcttgctg gatcattaca aaa 463

<210> 32301
<211> 472
<212> DNA
<213> Homo sapiens

<400> 32301
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gggtggttgt tagtaagcgt gaggtgctgg aacagttgct gctgtgcata gt 472

<210> 32302
<211> 309
<212> DNA
<213> Homo sapiens

<400> 32302
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caaggaaatt gaattttgvg aaactaaata gagtaacttg tctggtctca cattgctaaa 180
aacgacagag ccagcattca aatccaggac ttggtgaatc cagtacttta aaatatcact 240
gatgaaatgt tcctcacatt tgtcttttgt gtatattgta agtttcttga aggcttcttt 300
taatctttt 309

<210> 32303
<211> 174
<212> DNA
<213> Homo sapiens

<400> 32303
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ctgaagagct ttgatcagtt cacctgcaac ctgctgtatg tgagctggag gaaggacctc 120
actgagcamc ytccaccgcc tctacttccg gggccgtgcg tactacaccc accg 174

<210> 32304
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 32304
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 tcaaaaaatt gtcagcatgt kgaaactgag tcaacttaaaa aattgagtag agggcataag 180
 g 181

<210> 32305
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 32305
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 atggcgcttc 429

<210> 32306
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 32306
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 gaccggagtt caagtctgtg ctgaggctgg gtgaagctgt tggatataaa aattttgttt 120
 tagatttggt catcttaaca tttatttttc tattggagaa aaatatgtgc aatgtaatcc 180
 aca 183

<210> 32307
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 32307
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 tcttcattct cctttgctaa ttttctctct tttcttccat gtcttataag atggtttcac 180
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<210> 32308
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 <212> DNA
 <213> Homo sapiens

<400> 32308

004220" 66E7550

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gaattgaaat	tttggtgatg	gtttgggtag	actttttttt	tatatcaagt	ataattttaa	180
acatcagatt	aaataattac	actgttcagg	cttttaaaaa	aataccactg	tgagaataaa	240
gcgctagtaa	gatacatcac	ttactgattt	taaaaatata	gaaagatttt	gagtaaattt	300
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<210> 32309
<211> 200
<212> DNA
<213> Homo sapiens

<400> 32309						
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<212> DNA
<213> Homo sapiens

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aaactcatat	ctcataatth	ctgaatccgc	aatccctatt	cattaattga	ttacagtttt	120
tgagttgttg	gaaagcctag	ccctctcaga	ttcagggttc	agaaagaatt	accaggtctg	180
gtaaaattgt	ctgactagcc	cttagcctca	gaatgggtcaa	cttcatagta	taagcaaaga	240
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<210> 32311
<211> 186
<212> DNA
<213> Homo sapiens

<400> 32311						
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catgtcactg	cgctccagcc	tgggtgacag	agtgatactc	tgcttcaaaa	aaaggaaaaa	180
aaaaaa						186

<210> 32312
<211> 165
<212> DNA
<213> Homo sapiens

<400> 32312						
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ttttgttccc	taagctttat	aataattaaa	gctagtaact	aatttcaaga	ggatgaattg	120
aattctcttt	gcttcctaaa	gaaataatac	taccaatacc	aagta		165

<210> 32313
<211> 449
<212> DNA

<213> Homo sapiens

<400> 32313

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gtaaaggcca	ggcgcggtgg	cttacgcctg	taatcccagc	actttgggag	gccgaggcag	180
gtggatcgcc	tgaggtcagg	agttcgagac	cagtctgacc	aataagggtga	aaccccgctc	240
ctactaaaaa	tacaaaaaaa	attgattggc	cgggctgtgt	ggcaggcgcc	tgtggtccca	300
gatgctcagc	aggttgagac	aggagaatbm	ctgaggtaat	aggcatgagc	cactgtgcct	360
ggccctccta	ggttactttt	acatatagct	tttttatttt	attttcattt	attatttayk	420
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<210> 32314

<211> 114

<212> DNA

<213> Homo sapiens

<400> 32314

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<210> 32315

<211> 488

<212> DNA

<213> Homo sapiens

<400> 32315

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acaaagttaa	tacacctttg	taatcaccat	acatgaaaaa	ataaaatggg	agctccacct	180
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cccaccttag	tctcctgtct	gctgagtaat	tgmgaaccaca	ggcraacacc	ragcatacct	420
ggctaatttt	tktbatyatt	tgtaghaaca	tggtctccct	gtgttgccca	ggmtagtttc	480
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<210> 32316

<211> 419

<212> DNA

<213> Homo sapiens

<400> 32316

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gtttccatgt	agttgagcgg	ttttgagtga	gtttcttaat	cctgagctct	aatttgattg	180
cactgtgggc	tgagaacagt	ttgttgtgat	ttctgttctt	ttacatttgc	tgaggagcgc	240
tttacttcca	actatgtggg	caattttaga	ataagtgcaa	tatgttgctc	agaagaatgc	300
atattctctt	ggtttggggg	ggagagttct	gtagatgtct	attaggtctg	cttgggtcag	360
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<210> 32317

<211> 260

<212> DNA

SECRET

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aagcgcaggc	agatttaatt	tgctaaatag	actaacagga	ggaaaaaaaaac	aaacagccta	180
gctttaaaaa	acagtgaata	gcagtgaatt	catgtccctg	tatgtttctga	ttaagtctta	240
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<213> Homo sapiens

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agacacgtgg	tgagaaatta	gaacaaactg	gagacgggcc	attgacacat	ggactctgcc	120
tgggcattgtt	aggttaattc	tttgactcca	agccttaaaa	tactcacatg	gagtcagcgc	180
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<213> Homo sapiens

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aagtattttct	attgcaggat	ttctttgagt	ctttactatg	tattacgaac	ttatagcatt	120
ttccaargtt	taattgagca	taaaacattt	ttktrcaaaa	agactttaca	agtcaagtat	180
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<213> Homo sapiens

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tggttgcaca	acatcgtaac	atactaaatg	ccactgaatt	gtgcacttta	aaattgttaa	120
ttttgtttatg	aatttcactt	caataagtta	ttaaaaaaca	aaaccatagt	ctctcagtca	180
tgctacttaa	tgttcctaata	gaccataact	gagcttccct	agacctcccc	aaaagccctg	240
c						241

<213> Homo sapiens

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cggggactga	aactgactgg	cccgggagac	acgaggcgcc	cagaaggact	gacagcgcg	180
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<210> 32322
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 <212> DNA
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 tatgttctag attgattctc tagctttgtt atctgttttg ttctatttac catctctttt 180
 gttctgcccc cta 193

<210> 32323
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 32323
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 gcttcttgca ggtagtaata tgctttttaa tttcttccat gtcttttctt ggcttgatga 120
 cttatTTTT cagtgccgaa taatattcca ctgcctggat ataccatagt ttaccatttc 180
 a 181

<210> 32324
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 32324
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 taaaaatTTT acagtatcaa aaaacaaaaa tctgcttatg aaacaaaaca tgaagcagga 120
 catatTTTgga ttctatttat ttaaaattaa attctttgca aaattgaact tctc 174

<210> 32325
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 <212> DNA
 <213> Homo sapiens

<400> 32325
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 atgtggaagt gcctaagtct atttagcctc acagatgact ttagaatctt gtatTTTtcta 180
 catcagagtt catagcgggg atggtgctac atatatctat gcaact 226

<210> 32326
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 32326
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 aaaatTTTaa agtgagaact tggggaatgt ggcattctga gtctatTTTt tttgggcatg 120
 aatgaaaata ggtcttagcc gggtagatta tcttattata acagtattgt aactcagcac 180
 tcatgatatg gtgctactgg aatttaaagt acatctcatt ctgtagttga actgcagatt 240
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attgatacgt gctctcactg tggccg 326

<210> 32327
<211> 127
<212> DNA
<213> Homo sapiens

<400> 32327
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tgagatttct tatckcagga gcacctatgg ttgaaacagg gaaccatgct atagckkgct 120
acaagat 127

<210> 32328
<211> 270
<212> DNA
<213> Homo sapiens

<400> 32328
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gctgttttgt gtttktagaw ccatragaat aaatgggatg tdacctttca gwtgtkcca 120
aagattgcat gcatcattac caaagcttga rtctttttac tcccctgmt tgttgagata 180
cctactactt gagcatactc tggaatgaga aagtttatcg rttaacatgc tgcttacgca 240
gataggatta gcatttcctt aatttagtat 270

<210> 32329
<211> 164
<212> DNA
<213> Homo sapiens

<400> 32329
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cagggcgag aggtctgaaa ggtcgcgggg agtatcgtg grtaaaarg rgagatttac 120
aaaatagaag tagtgagaaa ggaagaagt aagggaacgg accg 164

<210> 32330
<211> 183
<212> DNA
<213> Homo sapiens

<400> 32330
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tcatgggtg ggtcaaagtc ctggttttac agtaagacat atggacatta gatctactag 120
aggtaaagac atgaaacctt agttttcaaa ccagggggtt gagaaacca agaatgagct 180
ccc 183

<210> 32331
<211> 58
<212> DNA
<213> Homo sapiens

<400> 32331
catgtgtttg tttaaaagt acctgctact acctcacat tagccactg ggacttgc 58

<210> 32332

<211> 206
 <212> DNA
 <213> Homo sapiens

<400> 32332
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 gcacagcccc gccaaaggc cacaactgtc agctgcttcc gcgggaaggg tgagggctac 120
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 ccgcatcagc accgatttac gccaga 206

<210> 32333
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 32333
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 acaaaaatca caagcattct tatacaccaa taacagacag agagcnaaa 169

<210> 32334
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 32334
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 gtcttcttac caaatagaaa taattagaag ctttaatcac tctacaaaca g 111

<210> 32335
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 32335
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 gttacattgc aggcttctc atgccacct c 151

<210> 32336
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 32336
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 ttttattgaa tttgtaccag ac 142

<210> 32337
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 32337

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gcatttgaat	acatgggtatt	tttaggtccc	ggttgggttc	cctgaaatga	aactcactct	180
gagcttcctg	ttgtgacggg	cgaggagttc	aggcggcttc	ccctccagga	gcattctcgaa	240
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<210> 32338

<211> 357

<212> DNA

<213> Homo sapiens

<400> 32338

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ttaatccagt	ctgtaattga	tgggcatttg	ggttgggttc	aagtctttgc	tattgtgaac	180
aatgctgcaa	taaacataca	tgtgcatgtg	tctttatagt	agaatgattt	ctaatacctt	240
gagtatatac	ccagtaatgg	gattgctggg	tcaaattgga	tttctgggtc	taggtccttg	300
aggaattgcc	acactgtctt	ccacaatggc	tgaactagtt	tacacccac	caacat	357

<210> 32339

<211> 238

<212> DNA

<213> Homo sapiens

<400> 32339

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caattccaga	aagtgaagg	aaagtgaatg	ccgaggaggt	gcaactatgt	aagatacttt	120
gcccctggta	tgcagaagat	ctgctgaaga	ccaatcgga	gtaccatgga	atagctttat	180
aagcaggagt	ccagccccac	aatctctacc	gacagtaccg	acagacatcc	ccctacag	238

<210> 32340

<211> 363

<212> DNA

<213> Homo sapiens

<400> 32340

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caggccagag	atcttgatg	caggctattt	caacatggga	aactgaaatc	gggcataatc	180
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cgaagaaagt	actgggtctt	cagctttcat	tggtcagccg	gtgggtcttg	tggacaacac	300
caggggcccc	tcctgctgaa	gactgtctgg	acttctctgat	tttactcct	gtataaacc	360
cca						363

<210> 32341

<211> 197

<212> DNA

<213> Homo sapiens

<400> 32341

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tgtgggccta	aggtacaggc	gtagtccaag	aacagcagag	ggagttcttg	ctgcccgaac	120
tgtttccatc	tcagtccaga	ttatcagagc	ctgtgggtctg	caagcagcag	ccaaggcttt	180

004220-6667550

ggctgaacag gaagccc

197

<210> 32342

<211> 392

<212> DNA

<213> Homo sapiens

<400> 32342

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cattcttctc	ataatagttc	tccctcsatt	cttcagtgat	tyccttggtg	ttataggata	180
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tattcctgaa	tgtttttctc	cattcttttg	ttattggcac	ccccgctacc	ctctgcagtg	360
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<210> 32343

<211> 210

<212> DNA

<213> Homo sapiens

<400> 32343

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tatctttata	tagtttggtt	gcaagagtat	tttcctaata	acttcacagt	atraatgtgc	120
atcttttttt	ttkgaacaaa	tgrdggggga	accaattttg	accayccata	aggmcaaakg	180
trgatatttt	yctkaaaaac	yctgaggcgg				210

<210> 32344

<211> 517

<212> DNA

<213> Homo sapiens

<400> 32344

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gaaatatcag	tgtgaactca	tggctcttaa	catagctagg	tatggaaata	aatatatata	120
tgtgtgtagg	tatgtgtgtg	tgcacccctt	ttgaagggca	tgggaacagt	aacacttcta	180
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gcctatttga	aggggttctc	actatccaaa	cctgggrrcag	tttgtgcttt	gaaataaatt	420
gcattaatgt	atattttatt	gaataaaaata	tgaaccacata	agtccacact	aaagcatgta	480
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<210> 32345

<211> 270

<212> DNA

<213> Homo sapiens

<400> 32345

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ttattatact	tcttaactaa	tcaactatwm	cyttacccat	ctagccaaag	tagactaccc	180
atatatgttt	cttgaccatg	tcaggttttt	aacctccata	tcttttcttg	ctctgggtcct	240
gtggaatgtc	tttctcaact	ctaccgctct				270

0951369 - 02400

cagaccatat	gcataattttt	caaaggaaat	accctagaac	tttctctaca	cctcttgaac	60
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ccagaggtag	ctgcttagct	gctagggaag	ttactgttgt	tttgaaaatg	actgacatcc	360
ccaaagttag	gcaactggcca	gggaaatggg	attgcatga	ttgaataaga	caaaggaagt	420
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<400> 32347

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ccggctcagg	gtcctcaccg	ccctttgttt	gtcctccca	cgaggtgatc	agttgaagtc	180
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tgggttggtg	ggaagaacta	aactggcagc	ttcacatttt	cttgctcatt	cttctctcta	420
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tctga						485

<400> 32348

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g t c a g a g c a g	g g a g a t g t a a	t t c a t g g g t t	c a t t a t a g a a	c a g a g g t g c c	t g a c a g c t g a	120
g c c a t g c c a a	a a g g a a a a t t	t a t t t g c a a c	a t c a c g c a g a	c a g a a a a t g g	t a g c t a a g a t	180
g a g a a g c c a g	a a t a g a a a c t	t g a a a c c t t g	t g g t a a t a c g	c a g a g t t t a t	g c t a a t a a g a	240
c t g c c t g a g a	t c c a g g g a t g	t t t a a t g a c t	g c t g t a a t a t	t a a t g a g g t g	c t t g g a c a c g	300
t g c g c c						306

<400> 32349

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gtaacacttt	gaaatagcat	ttgctaaaaa	accttttttc	tttctctctt	ttttggtgat	180

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229

<210> 32350

<211> 265

<212> DNA

<213> Homo sapiens

<400> 32350

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tttttcagta	tatgggagtc	cacatztatg	taaagaaatg	aaactataaa	atgtataaat	180
aatttgcaaa	tcagaattgc	tgtcgaaagt	tttactataa	tgaaagatat	tttcatactc	240
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<210> 32351

<211> 348

<212> DNA

<213> Homo sapiens

<400> 32351

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cacataatca	ctaaaaagaa	cagtgtgact	tatttaaagg	ggattatgtt	tttaagtctt	180
ttatatagct	ttgtagggag	gccatatgag	tttaaggaca	gttcgtggca	tttgttcaag	240
gttttgtaac	ttggcatctc	agcagccacc	aggataccag	atcatcgttc	taagtaagat	300
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<210> 32352

<211> 405

<212> DNA

<213> Homo sapiens

<400> 32352

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ttatatgtta	attcctaaaa	atgatgggaa	taaaatttcc	tttggctctg	acagtttgca	180
ttatcccat	ggattaaaca	cctccacdac	cagcnagtga	gggttcagga	gaaaaaycat	240
attactgata	gataaaataa	agaactgact	tgttttcatc	acatttgagc	ttgtagagtg	300
agtaaatttt	gttagcccca	ctatcattaa	attgtcattg	tgacttggg	gagcttggcc	360
aacggctctga	gcaagatttc	cagggttaact	ctgaaatata	tattt		405

<210> 32353

<211> 162

<212> DNA

<213> Homo sapiens

<400> 32353

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aaacgggact	aaactggcgg	gtcccggtga	agcgtggccg	gcagcgtccc	ggacgaggag	120
gtgaggagga	aagagargat	gtgtggactc	cggggggcgc	ac		162

<210> 32354

<211> 418

<212> DNA

<213> Homo sapiens

<400> 32354

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tagrttatgc	taagaaagtw	atgtaatwaa	atactgtcaa	tgtacatttg	aaagcaagtt	180
tgcagtgaat	cacctatcca	gggaataatc	ctgggttgtc	ctgtaagagt	acttagaaat	240
gcaacagatg	tacactgcgt	tgcccagctt	cccctttgtt	tatatgctgc	TTTTTaaaaa	300
attgaggaat	aagttgtttg	gcatattctt	ttcgtagacc	tctttgtgat	cgggtttttt	360
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<210> 32355

<211> 451

<212> DNA

<213> Homo sapiens

<400> 32355

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ccatatagct	ctgsattttt	tttgtgtggc	atatccctct	ctttcaggaa	atttaagtaa	180
taataaaactc	ttctttcaaa	ggcgggttgc	tccaggtctg	tcaccttacc	atacttggtt	240
aaaacgaatc	ccaggtatat	ttcaagacag	gacaccatct	cactttcatt	aacaagaacc	300
taagtgtgct	taatactctc	cagtttataa	agcaccttca	tatctcttat	gatttaatta	360
atcacacag	tcctttaagg	aggtaatccc	agtttagaga	taataaacag	taattagaca	420
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<210> 32356

<211> 490

<212> DNA

<213> Homo sapiens

<400> 32356

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aatccaatat	amrgragamc	attkgttgaa	aaacaatggt	ttccttcacc	tcctcaaggc	180
tcacagaggg	aaacttttaa	tttttttcaa	ctgtacccat	atttaattct	tagattgtta	240
ccttcttaag	cttaagtaat	gtgcttttac	caccatgttt	tganttatca	acttttagca	300
cctgatatga	aagtgagaat	gtagctcttt	aagctagttt	tcttttttct	ctcccagggt	360
tgatgtttat	aatattttta	atttgtctgt	ctctgtcacc	caggctggag	tgcartggga	420
atcatagctc	actgaagcct	caaattcctg	ggctcaagtg	atcctcccam	ctcagcttcc	480
tgagtaacta						490

<210> 32357

<211> 267

<212> DNA

<213> Homo sapiens

<400> 32357

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atagttctta	tcacccaaag	acagccctgg	tttacatttt	gtgatttcct	tctagtctta	120
catctttatt	aatttwaaaa	atkgtwaatt	tttagattta	acttttaaac	taaatagtaa	180
aaattgtaat	tataaatata	aaacaaactt	ccttatttga	aaaacacatt	acaaatagga	240
agaaaataaa	agtttaaatt	acacccc				267

<210> 32358
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 32358
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 tttaaagtcg gttttattgg agactaggac tgcaaccctt gcta 104

<210> 32359
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 32359
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 agtttctctac ctttaatcat tgtkactaaa ctgttttaaaa actgggaggg aaaattgaaa 180
 agtctgccac actggacatt tctttgtttc aaaaattgag tgtttrhag gcgtctgggt 240
 actctgggag gattccaagc tgcttgcac gttgatactc tcaaacctgt acttgagtca 300
 gggagacagc cataactaca tacaataaaa gcataaagg ggaattagaa ctaggggaga 360
 gtattgacag gtgggactca cctaattcaa ggctaccagt aggtatttgt atgctgtgta 420
 cctttctagt ctttttagta aca 443

<210> 32360
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 32360
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 ccttcttata tgtatcaaaa ctcatctga acaatgagtt ctgggttgca aaagaggatt 120
 tattttttgc acctaacat aagtccttct cacaagttaa acaaaaacag tgtagtatac 180
 agtattttta ataattttgt gcattaaata aaatttgtgt acctgaatc attagaaaac 240
 aagtattagg tgtggagttt ttcacttgtg gcatcatgtt agaattcaaa aagtttcaga 300
 gtttgagca tcttgattt cggatttttc caattavga tgctcaacct aatcagaagt 360
 aagacttggg tattaagag ttgaaagcca cggttttatt tgcttagtag tatataactg 420
 caacagtact ttttatctta attattgtgt agaactctg gactc 465

<210> 32361
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 32361
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 aacttagaaa aagtaatat aagtagcaga gaggaaacag agtcagttcg atttacatcc 180
 agagtcaggt attgacaaca cgagatgcaa tggaagaaag agcaaaaataa ggaagactgg 240
 gtggaagtca gttttaagag gcagtcaggt ccccaaatcc cattccctac tcccatccca 300
 gagactggg gcatatttct tcttgaggag aactttttct ttttgagatg ataaagaaaa 360
 gggtgggccg ggcgcgatgg ctacgcctg tagtcccagc actttgggag gcat 414

<210> 32362

<211> 456
 <212> DNA
 <213> Homo sapiens

<400> 32362
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 ctttcccttc tctccagttc tcttcccttt accaaggaga ggggagcaaa tggttttggg 180
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 cccaaatatg tttgttttaa gcgtgggggt ttttaatctc tgccaccctt gtcaaggag 300
 tcttgtaaag ttgccgagg taggttcac tccaggtttc gggattccca tccgtcctgg 360
 cgatcctgcc agcagtgggt gggcagcctg agctccctcg ggctcgctg ccagcctgga 420
 gttcttctcg tgctccttga tcacctgagc tgccctc 456

<210> 32363
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 32363
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 ctatagcagt cagcaatgta ccttagccga tccctgggaa tggttatgga acagtagggc 120
 ttgtttccat cttttttaga gtgaagagga tagaaaatta gggctaccta gtgtgggttc 180
 tttttcagaa ctatgtattt tctcctcact gcatgatggg taaaaatgcc ctgggttgaa 240
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 tccaccta 308

<210> 32364
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 32364
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 cacctgtgtg tgacagtttc amcatttbcc tatcaaatta ttatcttcat tcattttctac 180
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 ataaaatgggt cttgttaaaa tcaccartta raaagttaag cccctgatgt asaaataact 300
 aaaacahata satasaaaga cagtgccttct tgttcaatga ttacttcac agctgattca 360
 taatcaaatg aacaagaatc tgcaagaaca gaacatggtg ggcaggggtcc agtaat 416

<210> 32365
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 32365
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 ggatgtgggt ctcagaaagg gytctkgag aggtcaaaga gcaaaggtag atcgtgggtgg 180
 actacttttt ccccaaagca caggcagacc tntcttccat agcaggcacc gdtctccctct 240
 ggctggaaca caggcgtcac aaagtggagt tccacattgt tctcctgggt ggaaagataa 300
 taattacaga gttggcatag agaaataggg tgcccttgctg gtgaatggca tcttcatagg 360
 gctaaaaggt aatnktttct tttkttgtgc aagagtcttg gtctgtcgcc caggctggag 420

tgcaagtgtg c

431

<210> 32366

<211> 360

<212> DNA

<213> Homo sapiens

<400> 32366

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taaaaagtat	ggattgaagt	tctctttttt	taagcctgag	attgggcata	tacattgatt	120
tttttaagaa	aatawtttta	attgagawaa	taattacaat	gccatagcat	tcactgattt	180
aaagtgtaca	attaaatggt	tttttagcata	atcacagagt	tcagcaacag	ttaacaacaa	240
tctgtttaaa	atattttcgt	caccccagaa	acacagccct	tgcccattcg	cagtccttcc	300
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<210> 32367

<211> 123

<212> DNA

<213> Homo sapiens

<400> 32367

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gaa						123

<210> 32368

<211> 468

<212> DNA

<213> Homo sapiens

<400> 32368

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agaatcgtcc	caatcatcag	aatgtctgtt	ttttaaaagt	cagatttatc	aatcaatct	120
tcggccaaca	accttttttg	gagraakgat	gtaaacatca	cacataggaa	ttccgcattt	180
tctaggattt	gacattttca	gctattgaaa	attactatat	tttgtaaagt	gacgtaccgc	240
tactaaaaac	agaatgcttg	aaatagaatg	tcttttgttt	ccaaagtcag	tacactagag	300
ctatgtgaaa	ataatcataa	aagtgaagat	attttatggc	agagttatgt	tggggcaaat	360
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<210> 32369

<211> 209

<212> DNA

<213> Homo sapiens

<400> 32369

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tgttgcaactg	gagtcctctt	gcaggtcttc	cgttctgaag	gctgcactct	gcgtcacagt	120
gtcctagact	tgstgsaagc	cctnccagct	ggcccaaaag	tcagatgtcc	tggcttaagc	180
tgctgaagcc	accttgacc	atgagtgc				209

<210> 32370

<211> 418

<212> DNA

<213> Homo sapiens

<400> 32370

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ctaaagagga	aaagcaaggc	gatatagsaa	gscsacytcc	agtctggcca	cacccgagcc	180
ttacgaatgc	ccctctgtga	gacttgagca	caaacttata	atgagcaagg	ccaggtaggg	240
ggagggccgt	ggattttcat	ctaccagccc	ttccctatga	cagacwncct	aaattggaaa	300
caacgtactc	cttcccatac	agagaagcct	gaggctgtca	tagacttgat	gaggtccatt	360
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<210> 32371

<211> 429

<212> DNA

<213> Homo sapiens

<400> 32371

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tgtggttttg	gcataatgat	agacataaaa	ggaatagaat	agagagttca	aaaataggcc	120
tgtagaggct	gggctcagtg	gctcatgcct	ggkaatttcc	crgcactttg	agaggctgag	180
gcagaaggat	tgcttgahag	ccaggagttt	gagaccagct	tgggcagcaa	agtgagacct	240
tgtctctaca	agaaaaattt	aaaaaaaaaa	acaacaacag	aaactaggca	ggtgtggtgg	300
tgaataacctg	tcatctcagc	tacttgggag	gctagggcag	gaggattgct	tgagccaagg	360
agtttgaggc	tgcagtragc	tgtgatcggg	ctactgtact	ccagcctggg	tgactgagac	420
cctggctct						429

<210> 32372

<211> 451

<212> DNA

<213> Homo sapiens

<400> 32372

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aaaaaatgag	gccaaaaaaa	ggaagattgc	agaaacttca	aatgttatca	ctgagtcatt	120
gccatctgca	gaatcagaac	ctgttgaaaa	ttgrggtaga	gattgccgaa	gaccattgaa	180
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agcaagtacc	gtcaagggtga	cagaaaaggg	cagattgaag	aagatggctg	tccatctgac	360
cccacgagca	aacaggagca	catgaaatca	cactccactg	agagtttcaa	gtgtgaaata	420
tgcaataarc	gatatcttcg	agagagcgca	t			451

<210> 32373

<211> 191

<212> DNA

<213> Homo sapiens

<400> 32373

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tctccarggc	tgtgttcgca	gagttcctgg	ccacactcct	cttcgtcttc	tttggcctcg	180
gctctgcccc	c					191

<210> 32374

<211> 449

<212> DNA
<213> Homo sapiens

<400> 32374
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gtctcatctg ttaagttctg tgagagcagg aaccaagagt tttctttacc ttagtagcct 240
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aagaggagga agatgatcat ctaagctaag atcgggtttt ctttttgtac ctttcaatat 360
ggttttgaag tataatttac atacagtaac taaacttaag tgttacagtt tcaagagttt 420
tgacaaattt gtacatcttt gtaatctat 449

<210> 32375
<211> 265
<212> DNA
<213> Homo sapiens

<400> 32375
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gtgcctagcc agtttgtaac atttctgctg tgtttgctgt gttgagcaga gatattgtgg 120
gttctatgta gctcatagga ttattgcaat gatcaaatga aataatgttt tataatttta 180
aagcaccata gaaagatttg ttaagttcta tgtattttta atttttaatt atgatttctt 240
tctcgactaa catatgtatg aggca 265

<210> 32376
<211> 212
<212> DNA
<213> Homo sapiens

<400> 32376
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ccaacgtggg atgtgsgttk gtattatctg attaagattt taaagtagcc atcacaaatg 180
tgcttcaatg ggcaattaaa aacggacatg gt 212

<210> 32377
<211> 305
<212> DNA
<213> Homo sapiens

<400> 32377
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ccaaattatg taaaatggta tgtgctatgc tgaagagatt gtcactctgc cttgacttta 120
ggacagattt ctctatttct kgcaaaaaaa tgttgggatt ttgggatttg ggattttgat 180
aggtaatgca ttgaatctgt agattgcttt atatagtatt gacatcttaa caatattggt 240
ttgtagtcca tgaacacggg atacctttct attagtgtct tctatatttc tttttttttt 300
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<210> 32378
<211> 459
<212> DNA
<213> Homo sapiens

004220" 666E560

<400> 32378

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taaaagtaaa	tacagscttt	gggrgcaaca	ttttaaaactt	tttaattatt	aaagtgaagt	180
aagcatatta	tcctaagtga	ttttcttaat	cttttatcag	tttctaaaga	tgcacatttt	240
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tgattattac	aaatgttgca	aaagtctgca	aagttttcat	ccagcaagtt	tgcttaagcc	360
tatatgcaat	ggtttcctct	atgttgaata	atgaatattt	gtttatttat	tttttgagac	420
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<210> 32379

<211> 356

<212> DNA

<213> Homo sapiens

<400> 32379

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ttgtctcttg	ctagttgtgg	aaatgtaatt	gatttttatt	tattgacctt	atattgtgca	180
gctttgctga	actcacttan	bragtttcag	gaattttttt	tttgtaggct	tttgggattt	240
ttaaaaagta	gataatcatc	tcacctatga	ataaaatatt	ttttgcctwa	ttactctggc	300
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<210> 32380

<211> 462

<212> DNA

<213> Homo sapiens

<400> 32380

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ttaaactcacc	tctttattct	gtggcttttt	ctgaatagaa	atgtatgcc	taggaagaaa	180
tcatgctggg	ttttgctttt	agagataaaa	ggtgggtggat	ttattttgch	tgcagtaaa	240
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ttgggvcagt	aagccaaata	cctcattttt	aaaaagaagt	tttcatggca	tcagtgttaa	420
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<210> 32381

<211> 174

<212> DNA

<213> Homo sapiens

<400> 32381

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ggaaccagat	ggaaaggacc	aggatggaag	ctagatttct	cagaatatat	cttgaatttt	120
caacatttga	ctttggtaca	tatgttat	taaaacgaga	tttaagcaaa	gttt	174

<210> 32382

<211> 368

<212> DNA

<213> Homo sapiens

<400> 32382

004220" 6657560

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gagacttcaa	caaggcaryk	gamcagtgtt	agaaatatca	ctgaggcaga	aaactaataa	180
actctggatg	ttaactcaac	atgtgaccaa	ctggaccaa	tggaatctta	cagaacactc	240
catccaacta	ctgcagaata	tatatatttt	tcatgtgcat	gtgggacata	gatttctaaga	300
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<210> 32383
 <211> 59
 <212> DNA
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<400> 32383						
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<210> 32384
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 <212> DNA
 <213> Homo sapiens

<400> 32384						
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gaaaat						126

<210> 32385
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 32385						
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tgttcttttt	ttaaattcgr	wtttcccaat	catttgcagc	cg		162

<210> 32386
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 32386						
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caaataagat	acmtwaaamb	tacgaagtaa	agtccccatt	aggttataag	tattacaaaa	180
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actgggtttt	aatggcctag	ttatttgagg	attttgctgt	gttgttttcc	atgtcttcts	300
kgntcacctt	ggattatata	taaaaataca	ggamatagat	aaacatgaat	gtgattaata	360
atgctgaaaa	agtatttagcc	taccaaagac	acactcaggc	tttagtgaat	aactttacat	420
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<210> 32387
 <211> 417
 <212> DNA

<213> Homo sapiens

<400> 32387

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aacattggga	gtggaaaaat	tttcaagtaa	mcattaacga	aaagaagagc	catgcagggt	180
cgtaatgttc	ttaatgatgc	agtggattta	ctggaattcc	gtgatagagt	cattaaagca	240
tctttgaact	atgcacactt	agttgtttca	acgtctcttc	aatgttacgt	gttctccacg	300
aagaactgga	acacaccaat	tatatattgat	ctcaaagaag	gaactgttag	tttgattctg	360
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<210> 32388

<211> 238

<212> DNA

<213> Homo sapiens

<400> 32388

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tgacggagtt	atattattcaa	ttagaaacaa	wtggkgkgct	tctatttata	ccaagggttg	180
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<210> 32389

<211> 245

<212> DNA

<213> Homo sapiens

<400> 32389

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gtgcctgctg	aaggggtggtg	tgggcgtggg	tgaccccntn	ktgctcacac	tgaccctgcc	180
agtctctgcc	tgggagagct	ttggaccgtt	tgtgcgcacg	gggtgacttc	ctgtctttct	240
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<210> 32390

<211> 240

<212> DNA

<213> Homo sapiens

<400> 32390

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actttaggat	aaaaagtcag	tagcttctgg	gcttaactaa	attaattaca	tgtaaatcta	180
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<210> 32391

<211> 347

<212> DNA

<213> Homo sapiens

<400> 32391

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ttgcaaccag	aggtaaactg	ctctcatgca	ttttcactca	gtgccgttgg	ttatttagtt	180

ttctctcccc	tgtaccttta	acatctcttc	ttgtatttac	tctttttccc	tctccttttg	240
acaactccat	cctcatctga	ctattacact	gnctgtctcc	tatccttgac	agccacattt	300
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<210> 32392
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 32392						
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agactcatgt	ttctgcatct	cctgctgctt	tttktgttcc	tccgtccttt	ggggggtagg	180
gataggagt	acttaaatc	tcccagtcgg	tgagggtata	aataactaca	tgtaaaatta	240
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atgccacgca	aagcctacag	tcgttctggc	ctcgggtcat	ggaagaaatc	cggaatttaa	360
cagtgaaga	cttccgagtg	caggaactcc	caactgdstgg	tattaagaag	atatgaaact	420
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<210> 32393
 <211> 513
 <212> DNA
 <213> Homo sapiens

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tgctatccct	cccctaccat	cccacccccct	gacaggcgcc	ttggtgtgtg	atgttggatc	420
gttttttttc	ttgaacatac	aaacgttagt	acataccttt	tctgtttgta	tgacagacata	480
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<210> 32394
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 32394						
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tttggtctgm	atttgccwag	tgactagtgt	ggatactaaa	gtaggcccat	tcctgggagt	180
cacggggctc	cccagtggcc	tcattgaaac	ttccttagac	tacaccanaa	tgtggtatgc	240
ttccacccga	t					251

<210> 32395
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 32395

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gaacnkctw	agatcrgaga	ggaagctctg	aagaggctgt	cagccctcct	ctaagcacca	180
ggctgacacc	accactttga	aacacagcaa	taaagtcatg	actttcaaag	acacagatat	240
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<210> 32396
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 32396						
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tataaccwta	kgcccakgta	tacatctggg	tgcttgatgg	tttaciaaatt	gggtgttggg	180
gaccatctcc	tkstagcttt	tctctctcat	tcaagcccca	gggaaacaga	ggtgagctga	240
tttatgtgca	ggtctccagt	tttgtgtggg	ctttatattg	ttagaacagt	ctctgtatct	300
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<210> 32397
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 32397						
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atgtgtgktg	rakgtagack	kgaaatgtct	ccacattttg	gaggacttcc	tcagcccttt	180
tcattgaggg	aaaatatatt	tgaatttctg	tttttagattg	tatcgggtcc	cagttgattc	240
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<210> 32398
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 32398						
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ggcggcgggc	cctcaggcac	ctcggcccg	acacgatgag	gcgagtggta	cgacagagca	120
agtttcggsm	adgtwtttgg	gcaagcgggt	aaaaatgvcc	agtgctatga	tgacatccgg	180
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<210> 32399
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 32399						
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agagttgtat	cctaaacaaa	tccgagccta	tgctggggca	gttcagccag	gcagaagcct	180
tattaatgaa	agctgggggtg	cagccaggaa	cttttgatgg	agttcttatg	gatcttgggt	240
gttcctccat	gcaacttgat	actcctgaaa	gaggtttttc	ccttcggaaa	gatggccctt	300

tggacatgag	aatggatggt	ggcagatcaa	caggcacttg	catctatcct	aagaacatac	360
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<210> 32400
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 32400						
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aattgtccac	ctagtcagaa	gcccagaaa	gaattttcag	tggaaaaatc	aatatataac	180
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aaccatataa	tcacagaaaa	acattgcctt	cagcatgttc	agttcgcagc	actgagggca	300
ctcttgaggg	tggt					314

<210> 32401
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 32401						
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tgactatgac	tcagttcctt	ctaagtgtct	tacamcagag	tacaaaaggt	taccaaatec	180
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cagctaaaga	tgttactgat	gacatctaag	aatttggagt	ttcaaaatgt	gaattgtgaa	300
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<210> 32402
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 32402						
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cacaggtgat	cctcccacct	tggcctccca	aagtgtctgg	attacaggtg	tgagccactg	120
cashtggccg	agaatttttt	ttttaaattg	agacaaggtc	ttgcaatatt	gccaggtg	180
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caggcatcag	ccaccatacc	cagccagagg	agaattttat	atgctctttt	ggctttgaaa	300
ttaagtcttg	ccctagcaag	ttttctggag	cattatcaca	tgthnaata	tatgtytttt	360
tttaaatgac	cctaaagtca	attgnacagg	ttcagatntg	ggaacttctt	gagcttgatt	420
cgaaactcca	gcacagaaat	gaccttctta	ttctgagggg	ttgttcatg	tattaaagtg	480
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<210> 32403
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 32403						
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acacatagtt tgagcccc

138

<210> 32404

<211> 508

<212> DNA

<213> Homo sapiens

<400> 32404

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gacaatttta	aaatcctggg	amccawattt	atrtagaagt	agctgttagt	aaaacattag	180
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taagtcaagc	ctagaaaagc	tgccctccttg	taaggctttc	atgacaatgt	atagtaatcb	300
rcagtgtcca	attcttcgca	ctcctcagga	atatcactac	ctcaggttac	ggtacacagg	360
ctataattga	tgatgatgtt	cagataactg	aagacacaat	aatgacatt	cagacatcag	420
gacaattccc	tcatgttctt	ttctatgatg	gccacctgta	ccagcaacgt	gggtttcacc	480
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<210> 32405

<211> 300

<212> DNA

<213> Homo sapiens

<400> 32405

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aaatagatat	cagcggccta	ttttggaatt	gatatacagt	ataatgggta	gactaatctt	120
tccttctctt	ccatagtagg	grtaattcat	catacctcag	ggaaatattc	attgtatttc	180
aagagaatag	agaaacatcc	tttctctgtag	ctctagaatt	tgacgtgtgg	ggctgctgtt	240
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<210> 32406

<211> 126

<212> DNA

<213> Homo sapiens

<400> 32406

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gactcataga	ccattagaac	ataatagaga	gcccataaat	taatccacat	atctataagc	120
aaccca						126

<210> 32407

<211> 222

<212> DNA

<213> Homo sapiens

<400> 32407

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gatttttctaa	tttgattcta	aatgtcatgc	tgaaaatgga	atctcttccg	tgctcctctcc	180
cctactctga	gggagcaaat	ggcttttagtg	ctttgatgcg	tc		222

<210> 32408

<211> 305

<212> DNA

004220" 566E7560

<213> Homo sapiens

<400> 32408

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aaccatacan	tcgtcayagg	btggdycaaa	cttytrgact	armcatcckt	cttagcacct	180
aacttgagac	ttaattamtg	aaacaaaaac	ttcataattc	tcagggaaac	agtgatttgt	240
cttccattta	taattgagtc	acttctgtgg	ggattcaggc	aagmataagc	caagagtggg	300
tctca						305

<210> 32409

<211> 414

<212> DNA

<213> Homo sapiens

<400> 32409

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aaatgaatag	tattatggaa	ttatccacca	tctctttttg	tagagatgag	gtcttgccat	360
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<210> 32410

<211> 287

<212> DNA

<213> Homo sapiens

<400> 32410

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gaagcttgaa	ggcctgctgc	ctggaggaag	gatgtccctg	cactgatata	gaagctgttt	240
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<210> 32411

<211> 502

<212> DNA

<213> Homo sapiens

<400> 32411

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tgatggcaga	gactgtcatc	ttttthcttg	atttcgscga	tagcctgacc	atggccttga	180
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taaattatag	gtgtctgans	ttaaatttcag	gggagaagtc	tggtagatcc	tccatgcntg	420
gcaggaaagt	gtgctggagg	gtctagaagt	catgccccag	accttctttt	cctcttttgc	480
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<210> 32412

<211> 357

001220"666T560

<212> DNA
<213> Homo sapiens

<400> 32412
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<210> 32413
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<212> DNA
<213> Homo sapiens

<400> 32413
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<210> 32414
<211> 377
<212> DNA
<213> Homo sapiens

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<210> 32415
<211> 79
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<213> Homo sapiens

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<212> DNA
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<400> 32416

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adtaarggca	ctgkccctct	aaamccgcat	aaamattttt	ttgcatacag	gaaactcaac	180
aatgattgta	tcctgkgttg	agattttcca	tatgtttccc	ccattcacac	aggtgatgtg	240
twvatactaa	tgctatgtta	atgtttkctt	ttaaatagat	atattttagt	tgascagggt	300
gawyttaaagc	acaggtggat	ctgtgggtga	taaaagtggg	aggtgtggaa	actgmctggg	360
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<210> 32417

<211> 229

<212> DNA

<213> Homo sapiens

<400> 32417

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ccgctggggc	ggccaaggcc	gtgaggacgc	caatggcgag	cagcgtggac	gaggaggcgc	180
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<210> 32418

<211> 273

<212> DNA

<213> Homo sapiens

<400> 32418

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atggagtgtc	btagttkgtt	thctttkcct	tataacaaaa	cacccaaaac	tgggtaattt	180
ataaagaaaa	ggaatttatt	tcttacagtt	atggaggctg	agaggtccaa	ggttgagggg	240
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<210> 32419

<211> 276

<212> DNA

<213> Homo sapiens

<400> 32419

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tgtctcgtgt	ccccagtg	gggnaaggcg	tcgcactgcc	gcgtctgttc	tgctgtgctg	180
tcggggcgcg	tttgggtccc	ggagcctcgc	cggagaaacg	gagacctaa	aagtgacttg	240
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<210> 32420

<211> 441

<212> DNA

<213> Homo sapiens

<400> 32420

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taaaagaact	cctgaaggaa	gcactaaaca	tggaaaggaa	caaccggtac	cagccactgc	180
aaaaacatgc	caaattgtaa	agaccatcga	gactaggaag	aaacttcac	aactaacaag	240

caaaataacc agctaacatc ataatgacag gatcaaattc acacataacc atattaacct 300
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 gtcaagaccc atcagtctgc tgtattcagg aaacccatct cacatgcaaa gatgcacata 420
 ggctcaaaagt aaagggatgg a 441

<210> 32421
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 32421
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 gctctcacac taraagatac acattggvra aaatccagac ttcacaatct caaaaatact 180
 cccaactttg ctccatcccc tacctgcacc ccgagactct agtgagattt tttgtaaata 240
 gtgttctcca ttaactttta gccatcagtt 270

<210> 32422
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 32422
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 ccctctacac actgctttta atgtgtccca gagattctgg tatgttctgt ctttghctc 120
 attggtttca aagaacatct ttatttctgc cttcatttca ttatttacc agtgtccatt 180
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<210> 32423
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 <212> DNA
 <213> Homo sapiens

<400> 32423
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 gtgttattca ggctggcttc agactcctgg gctcaagcag tcctgcacct cagcctcctg 180
 agtagctggg actacaggca cacaccaccg tgctgggcta tagttttaga tttttgagga 240
 acatccatac tgttttccat atggctatac taattagcat tcctaccagc catatataag 300
 agttccccct tttccatggt ctcagcac 328

<210> 32424
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 32424
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 aattcctttc ttacaaggcc cttcacagat acctgctggt ctctcccact tggcaaagga 180
 aacacttggn gttaataagt ctcagaaaag ttatgtgaaa gttaaaagta aaactgacag 240
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<210> 32425

<211> 164

<212> DNA

<213> Homo sapiens

<400> 32425

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<210> 32426

<211> 170

<212> DNA

<213> Homo sapiens

<400> 32426

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aacttgggac aaactgtcag ccttgccctt gctgtggagg cagcctcaat gctgaaaatg	120
gagcctctga acagcacgca ccccggcacc gccgcctcca gcagccccct	170

<210> 32427

<211> 94

<212> DNA

<213> Homo sapiens

<400> 32427

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<210> 32428

<211> 256

<212> DNA

<213> Homo sapiens

<400> 32428

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acaaagggtcc cctgtgtcct ttaccagatt ttccacaatg gtaacatctt aaaaaactgg	120
agtacaatgt cactcacatc cagggtatmya atwatggwta caatcaagat acagaatatt	180
tctattacaa aggtcttctg ttgccttctt atagcaacac ctactttctt cctactcctt	240
ccctcatcca ttccac	256

<210> 32429

<211> 352

<212> DNA

<213> Homo sapiens

<400> 32429

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gcatcttgca gccgggcacg gtgggtcamg scyggtaatc nbdncacttt gggaggccaa	180
aagggggcga tcacctgagg tcgggagttc aagaccagcc tgaccaagat ggagaagccc	240
catctctact aaaaatacaa aattagccag ggggtgtggc gcatgcctgt aatcccagct	300
actgaggagg ctgaggcagg agaatcgctt gaacctggga ggcgaagggt gc	352

001220" 6667360

<210> 32430
<211> 168
<212> DNA
<213> Homo sapiens

<400> 32430
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cccaaattt aatccttatt cctgtgccct ttctattccc tctctgcagc taggtctcca 120
ttccaatcc ttaatgctca ggattcccaa tttaaaatty csagtcgc 168

<210> 32431
<211> 474
<212> DNA
<213> Homo sapiens

<400> 32431
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gatcaagtgn gcttcacccc tgggatgcaa ggctgggtca acatatgcaa atcaataaat 120
gtaatccagc atataaacag aaccaaagrc caaacccaca tgattatctc aatagatgca 180
gaaaaggcct ttgacaaaat tcaacagccc ttcatgctaa aaactcccaa taaattaggt 240
attgatggga tgtatctcaa aataataaga gctatttatg acaaaccac agccaatc 300
atactgaatg gacaaaaact ggaagcatta cahracagg atgccctctc wcatcactcc 360
tattcaacat agtggtggaa gttctggcca gggcaatcag acaggagaaa gaaagaaagg 420
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<210> 32432
<211> 323
<212> DNA
<213> Homo sapiens

<400> 32432
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agtatttgtg gaaaaatcag tgggttagta aagttgggca aatgcaggct taaacagagg 180
aaaatggggc tctttcctgt gattaatctc caggaaggac tgtactaggc agtgtttccc 240
caaaagatag agcgtgggag ccttatttga gaaacctatg tcaacatcca ggttgggaaa 300
tggtggagta cttgctgctg ctc 323

<210> 32433
<211> 62
<212> DNA
<213> Homo sapiens

<400> 32433
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cc 62

<210> 32434
<211> 460
<212> DNA
<213> Homo sapiens

<400> 32434
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tgaaattaa	ggatgggctg	aaagtsccag	tscktcta	cagtcatgcc	ttgggtcttcc	180
tggtgaccag	ctcctgtccg	aagctaccta	ggagctgcc	gccatcagtc	aattcgtgag	240
catacgaaaa	gacattactg	gttgggtgtg	gtggctcaca	cctataathy	cagcaatttg	300
tgaggccgag	gcggatggat	cacctgaggt	tgggagttct	agancattct	ggccaacatg	360
gtgaaacccg	tctctgctga	aaatacaaaa	aattagccgg	gtgtgggtgt	atgcgcctgt	420
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<210> 32435
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 32435						
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aaccctctc	ctgaggcacc	acgtctctaa	ccgagcacia	actccacgaa	gnmaacgccc	180
aggagtcaga	aataccatca	gaggaggggt	actgtgactt	taatagtagg	ccaaatgaga	240
actcttattg	ctatcaactt	ctgcgacaac	taaatgaaca	gagaaagaaa	ggtattcttt	300
gtgatgtcag	cattgtggta	agcggaaaaa	tcttcaaagc	tcataagaac	atcctggttg	360
caggcagccg	gc					372

<210> 32436
 <211> 491
 <212> DNA
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<400> 32436						
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ctcgttggtg	tcacgttagg	atacacacat	ttaaacacac	atttgcattg	atgcattgggc	360
ataaaggaaa	aacaaatact	gattggggaa	gagacttgct	taagttctta	tagaaaacta	420
gtattttttac	cnttaagtac	ttccagtcac	tcaaattaga	gcaactaatt	attcctcata	480
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<210> 32437
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 32437						
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tttaaaagtc	aacaatacaa	atatgaccag	ctaattgaaa	aatgggcaaa	agatctggac	180
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gcagwtwctt	agaaagtga	acattcttac	tgtatgatcc	agcagttctg	cttcttggta	420
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agctttattc	ata					493

<210> 32438
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 32438
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 caagaacaaa aacacctatc atccatgccc ggcattagaa aatctcattg ttggtgagaa 180
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 gacatttggg ttggttttcha gtcttttcta ttgtgaatag tgctgcaata aacatacgtg 360
 agcatgtgtc tttatggaag catgatttat aatcctwhgg gtatataccc agtaatggga 420
 ttgctggatc aaatggtatt tctagttcag caa 453

<210> 32439
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 32439
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 ccattgtatg ctttttgatt tgaggttatc atgagacttg caaataatat cttataaccc 180
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 agaaaactaa taaaaattct agactttaac tttgtccctt agcc 284

<210> 32440
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 32440
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<210> 32441
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 32441
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 tcatctaaat tttaaatgaa tgacaacagt tatggacaca tgcaaaaagg atcagacata 180
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<210> 32442
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 32442

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gggccgaatg cgatcaaacc taatccgcga gacttgctaa 100

<210> 32443

<211> 156

<212> DNA

<213> Homo sapiens

<400> 32443

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atatgatcgt ccttagaaga tgaagaatcc agccgc 156

<210> 32444

<211> 499

<212> DNA

<213> Homo sapiens

<400> 32444

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tcttaggatg gtgcttatca aactgaagcg tatctctctg aggtatnaac tttactcagt 180
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tggtttctgt gcctagata 499

<210> 32445

<211> 367

<212> DNA

<213> Homo sapiens

<400> 32445

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aatgttagat cttaattata cacaaattta aaaagcttca atgtattgaa aattaagaca 180
attgggttaa aaaattggct gatgaaggca tgatgtcttt aatgtatgaa aaacttttct 240
ctttaatcaa taaggcacac taaaaagcag tattattaac aaaaatatta atttttaaaa 300
gtataggacc tgggcacact gtctcatacc ttttaattcca gcactttggg aggctgagga 360
gggagac 367

<210> 32446

<211> 489

<212> DNA

<213> Homo sapiens

<400> 32446

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gtattttctg tagagataca aaaaatctct acactgtgtc gcctaggctg gtccccaact 180

cctgagctca	agcaatccac	ctaccgtggt	gttccaaaat	gctgggatta	tagctgtgag	240
cccttgcgcc	cagccagtta	tattgttttt	agattgtagt	ttcttttttc	tatctagacc	300
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tgggtggcgtg	cacctmnagt	cccagctgct	tgagaggctg	aggcaggagg	attgcttgac	420
cccaggaatt	tgaggctgca	gtgagctgtg	attgtgccac	tgcattccca	cctgggtgac	480
agaataaga						489

<210> 32447
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 32447						
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aattggaaaac	tcctgagaag	ctgttccagc	gtcaggagag	cagcagacaa	gctggactgg	120
ggaagattct	tcctgcaaga	cctgcagagt	gtatgacaca	taaccagcac	ccc	173

<210> 32448
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 32448						
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gtccctgtcc	ttctggggcg	tggtatgtkc	ctggga			96

<210> 32449
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 32449						
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cgcastatga	gttctwatcg	gtactttgaa	actcagcacc	agtctt		166

<210> 32450
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 <212> DNA
 <213> Homo sapiens

<400> 32450						
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atgataaatg	tttgrrgtgt	ttgaaatgct	aattaccctg	atttgatcat	tacgcattgt	180
acacctgtat	caaaatatca	ctctktttcc	ataaatatgt	acaattattg	catgccaact	240
aacaataaaa	ggacaagata	aagattcaaa	aaataggaag	aaatatcatt	tttctgatac	300
aatttcttct	cggtgtgccc	atgttgtttt	atgattgcaa	agcgttcttt	taagtgtctt	360
taaagtattg	ttttcatgct	tcttaaaatt	gcttccagaa	gtaatgtcaa	actcattcac	420
ctatagttta	tgagatctat	cttcctttta	aaaactagta	cacggccc		468

<210> 32451
 <211> 470
 <212> DNA

<213> Homo sapiens

<400> 32451

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ctttggaaaa	gggtgaatct	caggttctca	tgaggacaa	tttaggaaaa	agagagcaag	180
ccaggagaag	gctgagaact	tattcccat	tagtcaaaaa	tctgctttaa	gtcaagatcc	240
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gtgagtgcct	acgcagagtt	cttgctgccg	tgattcagtg	caagttagaa	acctgtgctc	360
ttcttttagcc	tggggaaaaa	ccaaagtcag	caaaccagc	tcaactcagc	aaactttcgt	420
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<210> 32452

<211> 403

<212> DNA

<213> Homo sapiens

<400> 32452

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tgctagaaag	gctagtttat	actctaacca	gcagtgtgtg	agagtatcta	gtttcccaca	300
cctttgccaa	caatgaattt	tacaattatt	tttaaccttt	gaaagtctga	cagatgaaaa	360
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<210> 32453

<211> 278

<212> DNA

<213> Homo sapiens

<400> 32453

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atTTTTTTTg	agacggggtc	ttgctctgtc	gcccaggctg	gagtgcagtg	gcgcgatctc	180
tgctcactgc	aagctccaca	tctcgggttc	acgccattct	cctgcctcag	cctcccagtg	240
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<210> 32454

<211> 84

<212> DNA

<213> Homo sapiens

<400> 32454

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<210> 32455

<211> 252

<212> DNA

<213> Homo sapiens

<400> 32455

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catcggtggc	gacascagag	gctcggggcg	cgastctccg	gccagcggcg	rcggtaggag	180
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<210> 32456
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 <212> DNA
 <213> Homo sapiens

<400> 32456						
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attgcctgtc	ctgggtgtacc	cagatgttcc	atgatggacg	ttttatccca	taagacgtct	180
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<210> 32457
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 32457						
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cttgaccttt	gagagtttta	ttattatatg	ccttggtgtg	agttttattt	gggtcaaadc	360
tgttttagtgt	tttctgacct	tcctctacct	ggatattttt	ctcatatttt	ggaaagtttt	420
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<210> 32458
 <211> 403
 <212> DNA
 <213> Homo sapiens

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gacagcttac	tcatcaacaa	atataccac	actttgcaga	tggcagtaat	avgmaaacca	300
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<210> 32459
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 32459						
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t 181

<210> 32460
<211> 400
<212> DNA
<213> Homo sapiens

<400> 32460
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aatcgccctg tgggcgctgg cagaagaggc gagaagaggt gaatcaacgg aatgtaccag 300
gtattgacag tgcataacctg gccatggata cagaggaagg tgtagagggt gtgtggaatg 360
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<210> 32461
<211> 483
<212> DNA
<213> Homo sapiens

<400> 32461
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atattgttaa ctgagtrrga tyagttyccy ttaatgcctg traggtgca gggttgttc 180
tcaattgcat gcacacacta agcccaaata tttctgttca ttcattgtca gatcaggata 240
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agc 483

<210> 32462
<211> 431
<212> DNA
<213> Homo sapiens

<400> 32462
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accaaaactc ttcccctgga gaatgcatcc atcyttcaga gggctcyctg caggaaggmc 180
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agggacagcc tcgaggctac tgtttgttta actttgaaac taagcaggaa gcagagcaag 360
ccatccagtg tctcaatggc aagttggccc tgtccaagaa gctggtgggt cgatgggcac 420
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<210> 32463
<211> 302
<212> DNA
<213> Homo sapiens

<400> 32463

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taaatatctg	taaaacattc	aaattgatcc	acgtagattt	atcttgcttt	taggccacac	180
tctgagatgt	gtaatccggt	tgctcacaca	tttagaggag	tccatgagca	tcacgccatg	240
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<210> 32464
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 <212> DNA
 <213> Homo sapiens

<400> 32464	
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atttaaaatg	ctaaaataga
gttcccatgt	tgtgttctca
tatgagtgt	acccatttgg
aaagcggaag	atggtaattt
taccggctag	tggtcatttt
aatttgcca	ttttaagtga
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	cctcttctat
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	ctt

<210> 32465
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 32465	
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<210> 32466
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 32466	
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	tggtcaaaat
	gatgaatatt
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	c

<210> 32467
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 32467	
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	tgaagaaatg
	tcaacaattg
	ggagttttga
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<210> 32468

<211> 231
 <212> DNA
 <213> Homo sapiens

<400> 32468
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 attgcatggr tatgccgsaw ttttggttgc ccattcacat gttgatggac atttggattg 180
 cttctgcctt ttgggtcattg taaacaaggc tgttatgact atttgtgtac c 231

<210> 32469
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 32469
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 atgtctcctt aggttttaaaa taacatttta aaaaattttt gtaagtatca ggcactgtta 180
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<210> 32470
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 32470
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 gttacttacc tttccttagg agaccctctt gtgattctgc agtacctatc atggccattt 180
 ctctcacagg aggctcctgg gtcccatssa tacacttttt tttttttttt t 231

<210> 32471
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 32471
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 tactttatga gaancgwcca catttatgta cttagcacia tttgtacata ttggagtgtg 360
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<210> 32472
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 <212> DNA
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<400> 32472
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ccagaactca	caaccagatc	cagaggcaac	agggacatgg	ccacctggga	cgaaaaggta	240
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tgggtgtttca	aacaggagag	ggagaactcc	ctgttcagggt	gtttccacta	tactgaaata	360
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<210> 32473
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 <212> DNA
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<400> 32473	
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<210> 32474
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 32474	
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agagtgtctg	gattacaggt gtgagggttt ttgtttgttt tcaagacaga gtcttgctca 420
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<210> 32475
 <211> 171
 <212> DNA
 <213> Homo sapiens

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<210> 32476
 <211> 165
 <212> DNA
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<400> 32476	
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<210> 32477

<211> 285
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<400> 32477
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 tttagcttgt tgtgaatcta ttttggcatg tcatgtacag ttaaattggc tcattataaa 240
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<210> 32478
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 32478
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<210> 32479
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 32479
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 ccaaataatt tckgaatccc ttaatgcagt kgagaatccc ttaatgcagt tgagamcagt 420
 aaagttcatg accatacgc 439

<210> 32480
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 32480
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<210> 32481

<211> 459
 <212> DNA
 <213> Homo sapiens

<400> 32481
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<210> 32482
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 32482
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<210> 32483
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 32483
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<210> 32484
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 32484
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 taattgcact actgcactcc acgctgggtg acagagcaag accctatctc taaaaataaa 180
 aaagtatata tatataaaaa tatcttctc tattataatt taactcatta agccatttat 240
 ttagatgtaa acntgcccc ctgcc 265

<210> 32485

<211> 55
 <212> DNA
 <213> Homo sapiens

<400> 32485
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<210> 32486
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 32486
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 aatactybwm ctttaataac aaaatctggc cacctctcaa tttaaaaagt taataaagaa 180
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<210> 32487
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 32487
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<210> 32488
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 32488
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<210> 32489
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 32489

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gaattttacc	aaacatttaa	tcaaagaaga	acaagtacca	attgtactct	aactattcag	180
aaaatagagg	agagagtact	tccaaacgaa	ttctacaaag	ccaatattac	actgatacca	240
aaacaaatga	cacatcaaaa	aaagaaaact	acaggccc			278

<210> 32490

<211> 268

<212> DNA

<213> Homo sapiens

<400> 32490

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tgtctctaca	aaaaataatg	aaaaattagt	tgggcattgt	ggtgtgtgcc	tgtggaccca	120
gctactccgg	gaggctgagg	tggggagagt	tgtttgacca	ggaggtcaag	gctgcagtga	180
accgtgttgg	tgccactgca	cttcagtctg	ggcagcagag	tgagaccctg	tctcaaaaaa	240
agaaaaaaaa	gattataata	gaggccgc				268

<210> 32491

<211> 240

<212> DNA

<213> Homo sapiens

<400> 32491

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catccctagc	ctggtcagca	tgggtcaccc	ccacagggag	gagctgaacc	cgacattcct	180
ccaccatgca	ggaaccaaga	actgaagtca	ccacatcatg	tatttttctaa	accagagcag	240

<210> 32492

<211> 353

<212> DNA

<213> Homo sapiens

<400> 32492

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acaaatgtat	tcacacaagt	atatatacat	ataatatgtg	caatatatac	atacaaacat	120
atatacataa	aatatataca	tataatacat	tgatattcat	acaagtacat	attctgatgt	180
agtaacaagt	tttgtaatta	ctgagttaca	tttatttgtt	tgatagagta	aaaaaaatta	240
caaaataaat	ttgaaatcta	tttacaagtt	tagtcttaga	aaattcatgg	ttaggtttgt	300
ctaagttaac	cctgctgagg	tgattaaaa	aactgtacgc	ttctaagtgt	agc	353

<210> 32493

<211> 261

<212> DNA

<213> Homo sapiens

<400> 32493

aggcaggcat	ttcaaaggaa	ggggcaagga	agactggcaa	acagatggca	agggatgccc	60
ctctttttca	taaaactctc	caaggttcaa	tcaatgcaat	gtatagtga	acttcaatag	120
atcttttcatt	ttgacactat	taaacaatcc	agagaagtaa	acactgttaa	attgactgta	180
tatatttgct	tcttaaaaact	acctgtatca	ctgtttgctc	acctaattta	tatacaggta	240

gttccatttt ctcccagttc c

261

<210> 32494

<211> 479

<212> DNA

<213> Homo sapiens

<400> 32494

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agtttttaag	gacagcttgg	tgggtggggg	aaagtcagtg	agccaggagt	gctgattggt	120
caggggtgaa	tcatagggag	tcgaagcwg	cctcttgac	tgagtcagtt	cctgggtggg	180
ggctccaaga	tcagatgagc	cagttaatcg	atctgggtgg	tgccagctga	tccatcaart	240
gcagggtctg	caaaatatct	caagcactga	tcttaggagc	agtttaggga	gggtcagaat	300
cttgtagcct	ccagcttcat	gactcctrra	ccataattdc	taatcttggt	gctaattgta	360
gtactacaga	ggcratctag	tccccaggca	agaaggaggt	ctgctttggg	aaagggctgt	420
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<210> 32495

<211> 311

<212> DNA

<213> Homo sapiens

<400> 32495

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agcctcagaa	tcatggcggg	aggcaaaatg	cacttcttat	atggtggcag	caggagaaaa	180
tgaggaagat	gcaaaagtgg	aaacgcctgc	taaaaccatc	agatctcgtg	agacttttca	240
ctaccatgag	aacagtatgg	gggaaaccat	ccccatgatt	caaattattt	cccactgggt	300
ccccccacg	a					311

<210> 32496

<211> 283

<212> DNA

<213> Homo sapiens

<400> 32496

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cgataaacta	aaacaacata	aaaaaatgca	aagatatatt	ccggtctctt	gctcatgtct	120
gtctagctga	ahawcctara	acaaatctac	ttcaaaagat	taaccaacag	caatataggt	180
tggatataga	aggatatcag	tcaggaattc	tgattgattg	agattacaag	gaaccctttc	240
catctgggac	tcatgataat	tcctcataac	gtaatagccg	tgc		283

<210> 32497

<211> 100

<212> DNA

<213> Homo sapiens

<400> 32497

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gggtgcttgg	ctctcggcgg	ttagmaccca	cagaagaccc			100

<210> 32498

<211> 95

<212> DNA

<213> Homo sapiens

<400> 32498

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actatataat aatgatakaa tgttttggtc attga	95

<210> 32499

<211> 335

<212> DNA

<213> Homo sapiens

<400> 32499

aatagcctgt gaagcttttc tttagaccat aagaggtctt ttccatccca taatatttat	60
tgccaattat ttatccatgt ctagatgaga ctagaagaat ccgaatcccc agtaatgagt	120
tgtcagcatt scttaatgtg acctcaggac tgatcatcat atgctttttg cctgtgtagg	180
tgttctaagc gttgtataat cacttaagaa tggacttcat taaatagaca aaatatgaga	240
gccattacac tatttttggt attaagtctt tgaaatccag actgttttac acttgcaaca	300
catacacttg gggctaataca catttcaggt gctca	335

<210> 32500

<211> 195

<212> DNA

<213> Homo sapiens

<400> 32500

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agacagacgt atacttttgg ttttggttgt ctttgacca tgtgtgcctt cccacaatct	120
ctatcaaaga gtagatggar tgaatgacaa taagaactaa aatttattga actttctgaa	180
atatttttagg cacgt	195

<210> 32501

<211> 311

<212> DNA

<213> Homo sapiens

<400> 32501

taattgggac ccagagacat ctaatctcta agttaagca ccactccttt tactcataac	60
cattggaggc atcccaaagt ctagaaaagc cgaaatgacc ctcaattcat attctggtgt	120
tatttaaccc cavgcctctg ggaggcgctc aagaacagga taatttaatg tcattctcag	180
cctgaaaagt tccttagttt tcttttaatt aaatcagtaa ttatttttaa tgcatcattt	240
caacaagata ccataagtta gttgaatgaa tgcatgtaaa accaaaatgt tgactggcat	300
aatccccgg c	311

<210> 32502

<211> 179

<212> DNA

<213> Homo sapiens

<400> 32502

ataacttctg tgtctcagtc ttttccattg ttaaaatgaa gacaaactaa ttgatagttt	60
tatttttaaac atgagaagct tttcaaaagg taaactttaa cagagcaatt taatttttcc	120
tgggggtawtc agtggttaaag tcacacaatt caaaactaat tcttccaaag gacagctaa	179

<210> 32503

<211> 317
<212> DNA
<213> Homo sapiens

<400> 32503
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ggagggscct ggggcttcgc tgctcagcca gctcctgcra ccgccctgcg cttcgtgcac 180
cggggcggtc cgttgccaaa gccagggttg akaggcagtg ttaacatccc aactgaaagc 240
acatcaagag aaaccaaatt ttattatcaa gaccccaaag ggtaccaggg atcttagtcc 300
tcagcatatg gttgtga 317

<210> 32504
<211> 195
<212> DNA
<213> Homo sapiens

<400> 32504
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gctcactcct gtaatccagc attttgggag gccgaggtgg gtggattgcc tgagctcagg 120
agtttgrgrm ccagcctggg aaacgtggttr aaaccttgtc cctacraaaa taaaaaaat 180
tagccgggtg tggca 195

<210> 32505
<211> 259
<212> DNA
<213> Homo sapiens

<400> 32505
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tgtaaacagg tgtctgataa agctgtttct ctccagcgaa agcttcggaa agaacardca 120
ttgvcawtwa kggthcgggt cttcttawaa ctgaattacc agavgatggt tgtactgaag 180
aagatgtgag aaaattatth caaccatttg ggvmagtga atgatgtcct adttgttcca 240
tatdssraaa gaggctaaa 259

<210> 32506
<211> 115
<212> DNA
<213> Homo sapiens

<400> 32506
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aaattatccg ggcgtggtgg cgggcgcctg tagtcccagc tactcgggag gcact 115

<210> 32507
<211> 181
<212> DNA
<213> Homo sapiens

<400> 32507
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tggtatcttt gtctggtttt tatatcaggg taatgggtggc tttttagaat gagtttggaa 120
atgttctcts ncatttttagt tctttggaag agtttgagga ggattgggtt aattcctttt 180
t 181

<210> 32508

<211> 441

<212> DNA

<213> Homo sapiens

<400> 32508

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tctgtctcac	tttcaactctg	tgggaagaca	gataccatgt	tgtgagctgc	attctgggtga	120
agcttgtgtc	aaaagattga	gggaggcttt	caaccaagag	cagggtgagg	aatgaggctc	180
caggccaacc	acccatgagg	gactgaatca	tgccaacagc	ctggtgagtg	accttggaag	240
tggatcctat	ctcagttgan	ccttagaatg	agactgctac	caggctgaca	ctttgtgaga	300
aaacgcgagc	cagaaagccc	agcaaagccg	tgcccagata	ccaaaccac	aggaagtgtg	360
agttntvtaa	tgtttgyac	tkhangctac	tgagtttgtg	agtwactttt	tcatggcaat	420
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<210> 32509

<211> 169

<212> DNA

<213> Homo sapiens

<400> 32509

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aatctTaaag	gataagatac	aaaacatact	gcatctagaa	gcttcagtag	tttcttcctg	120
aatcccagta	gataccttttg	ttcatcccac	gggatgcatt	ccgccaccc		169

<210> 32510

<211> 404

<212> DNA

<213> Homo sapiens

<400> 32510

TTTTTTTctc	tcttgaaatc	tcagagaaaag	agattgttac	atccttggtt	ttaaggtgtt	60
gggttccttt	cctgcccctg	aaatgtgggc	tctgccagtg	ccttttctgc	ttttctctgg	120
gttgtcacta	gagggcagca	tacgcccggtg	tttagaagtc	agagctgctt	gatttacgga	180
cagagaaccg	agggcgcaca	ctgcmctcct	gggcttttagg	agcacaaaat	tgtaataccc	240
acgggatatc	tttatkttac	tagcaatagg	atctnnttaa	ggtaggaaaa	ctgatatgca	300
ggccgacttc	ttactagaaa	cggcaaactt	cattgdatta	aggattccag	aatcaaattg	360
ctgttagasca	tgtgaacgtt	accatctcac	attgaaacac	cga		404

<210> 32511

<211> 459

<212> DNA

<213> Homo sapiens

<400> 32511

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aaagagagtt	cggatttttg	agggttgctc	tgagattttt	ggtgtaggct	tcatttttaa	120
attattttct	ttttccttcc	atttctttct	tcccttctc	tttatcctcc	tttcttggtta	180
ctcactcagt	gctttgcaga	tcataattcta	aaggaaactgg	accattttcc	acttgagaat	240
agaagcgagg	tggtcattct	gttttctgct	cactcactgc	ccatgtctgt	aagtaagaac	300
attttctggg	atgacctagt	gatagagnwt	tgggtgattt	catttttctaa	atgtgtaaaa	360
tgggtccagc	ttccattatg	tcctaagccc	agtgaagaa	tgaattctca	aatctcagac	420
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<210> 32512
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 32512
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 tctccttttc agaatgttta gacatagtcc tccaaatttc aaatatccta atgcatttaa 120
 aracmacttc yggayttaaa aaatacagtt tkatgggtgag gtttgggttt aaacaacaac 180
 atacaatttt aaataatata gctattatgt aaagaataca cctttacrgt ttatttggtta 240
 aatcyttttt aaattgaccg aacaattgat ggaagggttat ttttaagaaa aagaattatc 300
 agtacagctg tttatgcaaw wartggcstt tatcaaaatg gttattgcta aattttatgt 360
 gttaataatt taa 373

<210> 32513
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 32513
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 atcatagagc acatcagcca ccacttccca gaggggttct ccaagaagag actttacgaa 180
 gaagagattt aggaaaccta gtctatgtct gtctctccct ccgtcccaca agaaggtgcc 240
 cccgattttt gttcatttga ggcagtatgt tgggaatttt agacaaatta ccctatttca 300
 tactgtagcc aattttttct ttttttttca ggaaatgaca gagaaaccag aaaaa 355

<210> 32514
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 32514
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 atgttttttc agcaagctag ccatacaacc attgtatctc tttctcttca gtatggttta 180
 gagcccagat cagtttagtag gctttcgttg tcttctcttt caatacatgt acatctttac 240
 tgtttgaaaa gtgttacagc tgtcaaagaa tcttcatgga cctgaagata atttcttgyt 300
 nnkattgaat gcaagtgtac tgtcattcat agtgtttata tcaaaatacc a 351

<210> 32515
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 32515
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 tccctgtgag ctctgtgagt ctgtgagttc tagctcagct tgtgaacctc ttctttttct 180
 cttctgtaat tggaagaaaa cctaaggggg aaaaaaagat cctgctctct ggtgttccct 240
 tttcttagcc ttgaaattat tatgttttgt tcacctttct agttctcagt cagaagattt 300
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 gaaccccttc atgtttttca tcagttta 388

<210> 32516
<211> 173
<212> DNA
<213> Homo sapiens

<400> 32516
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tagggtagaa tgccacctgt tgcctgggtgt gtgctaacct ggagcaggta ggggtaagac 120
tcaatagtca tcttttacca aatggggttg cccaggtta ataagagggg tat 173

<210> 32517
<211> 267
<212> DNA
<213> Homo sapiens

<400> 32517
agtcndatat taaaatgttt gttcaacaga aggtggatgg agagcagcat tttcaagtaa 60
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ctggccatgg ccttatract gagacatgca taataagtgg tggttcttgg mcttaggggtg 180
ctaggaattg gttgattgga tgtgtgcttt aaatagatga tattattggg tcaaaataaa 240
atgatggggg gagaactgta aatgcct 267

<210> 32518
<211> 165
<212> DNA
<213> Homo sapiens

<400> 32518
caacttgctg atgttgacat cttactccc aaagtgattg tattaggagc tgggaatttt 60
gggacatgat gaagtcata gggctctgca gaatgggatt acccccctca ggtgggtaaa 120
gacaagggct attaaagaag gttcagaggt gtagggagcc aggag 165

<210> 32519
<211> 458
<212> DNA
<213> Homo sapiens

<400> 32519
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tttaagaggc ttttatatat tcacgtkgtt ctccctcttt tctctctgtc ttcccttgcc 420
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<210> 32520
<211> 249
<212> DNA
<213> Homo sapiens

<400> 32520

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ggattgaaga	aaacctcagg	aggcagtggt	tgtttttaaat	ccacactgaa	gagactaggg	180
cagtgggtgtt	tttttaaggg	taagagcatg	tggaaggag	caaacaaatg	cctgagcaga	240
atccagtgt						249

<210> 32521
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 32521	
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aagcttttaa	atttgtatta
gtcatttgct	tttcttcttt
	60
tataaattat	agatacttta
aaattttatg	caagaaaatc
tatccatatt	ttcttttatg
	120
atttctaccc	ttggtcagca
ggtacatttt	cagcacagtg
tcttgtacac	tttcattttt
	180
aaaaaatata	ggtgaattgt
attaactttt	atattggaag
tggaacattga	gtggacatgt
	240
agacacaaga	tccttgagaa
tcattttctgc	cttcgagaag
aa	
	282

<210> 32522
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 32522	
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tgtttacatc	atattatatt
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tgattattct	atgctttttg
aggactacaa	tttataaata
tttgtggatt	gaatgaataa
	120
gtgaataccg	gggcaa
	136

<210> 32523
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 32523	
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gcaaattttt	tctttgaaga
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atccaggata	tctaaacttg
taactgaggg	ccataragaa
agccttgtag	tagtaaat
	120
tagtaaatag	acatatcaga
aagtttatatg	aatgaaaaaa
tgtacattta	aaaacaaaat
	180
cacttaaagg	accctttgac
tgatgcctct	cagtttatat
ttttatgtga	ctttatattt
	240
cttttgatac	asttgacatt
ttaggaaa	
	268

<210> 32524
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 32524	
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ctgttttagt	hkactatgct
	60
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ttaactttta	
	90

<210> 32525
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 32525

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acgtttcatg	tgaagtttt	tgtatagaca	tatacatttg	tttcctttcg	gtaagtaact	180
ggaaatggaa	tgaatagatc	aaaatggtag	gtatatat	acctttttga	gaaactatga	240
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<210> 32526

<211> 80

<212> DNA

<213> Homo sapiens

<400> 32526

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<210> 32527

<211> 172

<212> DNA

<213> Homo sapiens

<400> 32527

caataatatt	taataatgtt	caaattcctc	taactgtttc	atatatttgt	tttgtttttg	60
ttgtgtat	gtttgaatga	gatttcaagt	atagttcatg	kattacaatt	tctacattta	120
aaaattgcgt	ttaaagtata	ggttcctcat	ttctttcgag	ataatttttt	tt	172

<210> 32528

<211> 120

<212> DNA

<213> Homo sapiens

<400> 32528

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<210> 32529

<211> 296

<212> DNA

<213> Homo sapiens

<400> 32529

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cgaatgcctt	tatgttgtca	ggyactttca	ggcattggaa	ttttgctttg	tacaagacaa		180
atgtagatcc	ttcagaccta	ttgggttatc	aagcatttcc	agagcttcct	tgacttgatg		240
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<210> 32530

<211> 51

<212> DNA

<213> Homo sapiens

<400> 32530

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<210> 32531
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 <212> DNA
 <213> Homo sapiens

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 gatgtgtaaa tttaatgttt aataaagatg taagttatgt ttctaattag gtggaatcaa 180
 aaagaagtcg gc 192

<210> 32532
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 32532
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 a 121

<210> 32533
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 32533
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 tccccccact tttttttttt ttttttt 87

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 <211> 346
 <212> DNA
 <213> Homo sapiens

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 attgttacac aaatgctcga attggtggaa aatcggggca gacaaatgga gttacactca 180
 cagtgtttcc aagatcctgc tgaaagtga cgagcctcag ataaagcaaa gatggattcc 240
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<210> 32535
 <211> 215
 <212> DNA
 <213> Homo sapiens

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 gaggaattaa caacgwrctt tgatttgaat actagtagah rctggccagg aaaaaggtag 180
 atttttctaa aaattaatgg atcacttggg agccg 215

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 <211> 418
 <212> DNA
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<400> 32536
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 ctgtctctac taaraagtam hraaattaag tggacatggt ggctatccca gctgctcggg 180
 aggctgagggc aggagaactg cttgagcccg ggaggcggag gttgcagtga gccaagattg 240
 tgccactgca ttctagcctg gatgacagaa ccagactctg tctcaaaaga amaaaaaatt 300
 atttaccaag ctgtgttttc atagtgtttt ttaattctct gaactgcttc aggtatctgc 360
 agtgtttttt ttwcattkca aagacttccc acatgtaaca tttcatttgg aattacca 418

<210> 32537
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 32537
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 ccactgaagg aatccctaga cgcacccttc tggatgtgag acaggcggat ctcaccacg 180
 cctgccagca gctcctcgga gaactgtgtt cctgggtcag ccctggccca gaggagcgcc 240
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<210> 32538
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 32538
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 taaaa 185

<210> 32539
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 <212> DNA
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<400> 32539
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 gccagctaac ttggwttttg twtgtttttg tgacctcttc tctcttttdrg ctgtatcagc 180
 tctccaaagc tgggaagctc tgtgttccgg ccatgaacgt caatgattct gttaccaaac 240
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<210> 32540
 <211> 155
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<213> Homo sapiens

<400> 32540

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gagatgatgc	aggcctgaat	ttaaaatgtg	agctaggatt	tgaactcagg	cctgcctgac	120
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<210> 32541

<211> 246

<212> DNA

<213> Homo sapiens

<400> 32541

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ccaagcaaag	ttaattaagc	aaatgttgct	ctaacatgca	atgactgtat	ctttgataga	180
atatatactt	aagaggcctg	gtgcagtgtt	catgcctgta	atcccagcac	tttacggggg	240
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<210> 32542

<211> 350

<212> DNA

<213> Homo sapiens

<400> 32542

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gcacacttgc	ttatctgtcc	attcattcat	tgaaccagta	agtatttatt	gagagttagt	240
gggaatacaa	tgctgtgcaa	gmcaaacaag	atccctccat	tcataccact	taaaattcwa	300
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<210> 32543

<211> 241

<212> DNA

<213> Homo sapiens

<400> 32543

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acagtgacta	gcwaaggag	gtctaatcct	caggagagga	ttaggtgaat	atacatcaca	180
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<210> 32544

<211> 395

<212> DNA

<213> Homo sapiens

<400> 32544

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ataaatgagg	gtctgtatgc	ttgttttaaat	aacaccacca	ccaagataga	mmacgaggag	180
gcaagtttct	ccaagggtat	tttgaaatgt	gttagcaaaa	ctattgcaga	tactcgtttt	240

tgttataggg	tgagggtggg	agaggcgcat	gctanbcnng	ctgttgaaac	tagggatgta	300
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tcctgcaa	agactataga	agtatatit	agcca			395

<210> 32545
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 <212> DNA
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aa	302

<210> 32546
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gcgtgagcac	180
cattkatkac	204

<210> 32547
 <211> 203
 <212> DNA
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<210> 32548
 <211> 365
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<210> 32549

<211> 405

<212> DNA

<213> Homo sapiens

<400> 32549

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ggactacagg	cgagtgccag	cacgcctggc	tcatttttgt	tttttttgta	aagatggggg	180
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ctagcaaaat	gcdgggatta	caggtgtgag	ccaccatgcc	tggccttagt	tatttattta	300
attatgaatg	aatgaatgaa	ttaatgagag	ggagtcttgc	tctcttgccc	aggctggagt	360
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<210> 32550

<211> 146

<212> DNA

<213> Homo sapiens

<400> 32550

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acatcaharr	ccaaagcgaa	sascac				146

<210> 32551

<211> 260

<212> DNA

<213> Homo sapiens

<400> 32551

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atgcattcaa	caatccaccg	aaggtttgag	gaagtgtcgg	tattggtggg	actggttctt	180
tccccctttc	ccccagtggm	chtcaagtct	ggatataggt	gagcttgggc	atgccagtat	240
tgggtgcacg	aacaaggaca					260

<210> 32552

<211> 447

<212> DNA

<213> Homo sapiens

<400> 32552

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attgaagtat	ctggaaatag	gtgtttccag	tgtaaatgaa	ttgattctat	ttatagcctt	180
ttgaagaaaa	ttatacttaa	tgggtaagt	taagctatcc	atattaatct	agctaataaa	240
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ctcaataaaa	gcaacgtgaa	tcaagattat	tgatggcagg	gaatagttag	catgacctgt	360
aatgtgaaaa	acagcagaaa	ctggtgtsag	agaatttagg	caaatactaat	ttgcttgagt	420
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<210> 32553

<211> 112

<212> DNA

<213> Homo sapiens

<400> 32553
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<210> 32554
<211> 294
<212> DNA
<213> Homo sapiens

<400> 32554
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cataattacc tctttctctc tgtcacccat ctctctcaca tataactcca aactgtcttc 120
ctttctccca catcatcctt ttcattttta ttttgatata ttttttagga tggagtctcg 180
ctctgccacc caggctggag tgcagtggcg tgatttcact cactatagcc tctgcctcct 240
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<210> 32555
<211> 420
<212> DNA
<213> Homo sapiens

<400> 32555
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ggagtcaatg tctgtggagt actgacatga acctggagag tgaacatttt gcccttctc 120
agggaagcag gccagaatat ctgtaaaatg gtgacacttt gatcctgact ggaagaaaac 180
catgttgaaa gaacgataag ckagggatta tggaacaaca aacataagtt gtcagctgaa 240
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ggtgtaggct gtagttttca ttggtagtgg ctgtgggggtg ctgcatcagc cagactgaca 360
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<210> 32556
<211> 166
<212> DNA
<213> Homo sapiens

<400> 32556
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ttataaagat gaaacacaac taataagaaa atgsmtcgag cttgtattag asggsmaagc 120
agcaaaccct ctcccttggc cccttaggat taaatgcgcc ccagga 166

<210> 32557
<211> 415
<212> DNA
<213> Homo sapiens

<400> 32557
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cataactagc tatctgacct tggccaagta tgcacaaagt caaaaaac ttagtttctc 120
tatgtgcatg atgattataa taccttttgt acagttatga ggaaacttag acaatgcctg 180
tggtgtatgg taagcgtttt cataaatgct gcctacctgt aagtagcatt atagtgtgta 240
gttattgggt aatttccttt ttctttacca gaagtgtggg ttttgcccag cctttataca 300
acttcagtat ttctggttaa tctgtctctc tatggctcta aacttttcag agtgggtggg 360
gagttaccaa cacttttgta aaaggccaga tagtaaagt tttatgcttt atgta 415

<210> 32558
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 32558
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 tgcaaaatag ggatactacc tcttcttctt tttcaaaagg tttctgtaag cattcaaata 120
 taknctgaat ataagggtgct tgcaagtttt aagggtataa ttagacatga ggg 173

<210> 32559
 <211> 100
 <212> DNA
 <213> Homo sapiens

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<210> 32560
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 32560
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<210> 32561
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 32561
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 aatacaagct actttttttt tc 142

<210> 32562
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 32562
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 aatcaaata aatttacttt cacgtaagat ctggtaacct tatctatata gtatgtgtgt 180
 gtactattta ttacatatca gtatttacia aactagata aattaaagta 240
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<210> 32563
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 32563
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 gggatatttta gcagccagcc acattctgga aacagc 156

<210> 32564
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 32564
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 cggagccgca gggctggatc cactttatct gagacgaggc gcctgcggcc gacggcggaa 120
 aacaccaaag gcacccgggg ggcggggggc accgatgtg gc 162

<210> 32565
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 32565
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 aagttatgat gaacatnsnn caatgtgydc gntcatcrdw caccatggng dccagaatgg 180
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 gcatgagcca acgcacctgg gctaggg 267

<210> 32566
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 <212> DNA
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<400> 32566
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 aaaatcagat ccaccctcca agaatcaaga tgtgatatta ttaagggtat tcaaaattta 180
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<210> 32567
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 32567
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ggattgatgc tattctcctg cttcagcctc ccgagtagct gggactacag gcgcccgcga 120
caatgcccag c 131

<210> 32568
<211> 442
<212> DNA
<213> Homo sapiens

<400> 32568
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gtaaaaattt gtaagtaagg ct 442

<210> 32569
<211> 274
<212> DNA
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<210> 32570
<211> 260
<212> DNA
<213> Homo sapiens

<400> 32570
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gatcggaaaag aaaataaatc agaaaggata ttacatcaca ttacattttc tgggtgaagca 120
gttttagccat gtctcttact gaggtctgaa ccaccacagg acatgaacgc aggggagcga 180
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gtaaacctcg caagaggag 260

<210> 32571
<211> 201
<212> DNA
<213> Homo sapiens

<400> 32571
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ggaacagagt acttaagtac ttctaaagggt ggctttcatt atcttaggcc ttttaaaactc 180
tagacttaac aaggtgggga t 201

<210> 32572

<211> 105
<212> DNA
<213> Homo sapiens

<400> 32572
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<210> 32573
<211> 307
<212> DNA
<213> Homo sapiens

<400> 32573
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aatttgaatt tcacagtatg tatatatgaa ggtaaataat tcctcaaagt ttctctgaca 180
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<210> 32574
<211> 292
<212> DNA
<213> Homo sapiens

<400> 32574
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gctaaaaggt caaggggaatt gaggatatag aagtgaccat tggtagatg gagttagaga 180
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<400> 32575
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ctagtacatc ctgtttctgt cattgtaccc tgtactttgt gggctctgatt atcagttggc 300
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<211> 207
<212> DNA
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<400> 32576
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 tgktncccgga aaggncgggc ccgtctttct gccgamccgc tccgcctcct ctccttchtc 180
 cccattaccc ggagggccgaa gccccacc 207

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 <211> 124
 <212> DNA
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 tcaa 124

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 <211> 169
 <212> DNA
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 <212> DNA
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<400> 32579
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 twaaatagggt tttctcactc tkcttttttt cttcttttta tccctcactc cctcccctaa 180
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<210> 32580
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 32580
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 ccagtgttgc taccagttcc aatcccttat taccattctt gaaccacatt gtgatttgag 180
 tgattcttta atctgatccc agcactatcc tacttaaaac cttttcattg tttctttttt 240
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<210> 32581
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<400> 32581
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gatctcctga cctcgtgatc cgccccagn 149

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<212> DNA
<213> Homo sapiens

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aattcctttt aacacagttc atgttcacat ttaknggtt atctctttca attgcaaatt 180
gcaaagtcct ttgttttgtt ttgttttagt agttgctcaa gttaagagcc aaattaagta 240
catttattca attggcagrb ttgtctctta aatattttta aatttataat agtccccttc 300
cactcctttc ccccttttaa ttccctttat 330

<210> 32583
<211> 467
<212> DNA
<213> Homo sapiens

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gtgtgtgtaa agggtaagaa ggaaaagggc ttabgataga gtctggaaga atcacagtgt 360
ttaagtgtga tttgctcccc amtctctgtt atgggttgct ccatgaaatg gwatctgtaa 420
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<213> Homo sapiens

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taaacttaag gtagtaatac ctttcatggt tgtgcactta atgagataat atatataaag 180
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<210> 32585
<211> 213
<212> DNA
<213> Homo sapiens

<400> 32585
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ccgttcccc gcagcctcgc gacaaaccgc tgcgtggatc agcaagcca gagcctcctt 120
cagacaagcc cccctcctac ggccccggc ccctttttta ggtgcttcta actggcggca 180
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<211> 205
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<400> 32586
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 ttcagcaatt gcaaccatta gttggctata gatataagag tctggccaac atcaattaaa 180
 acgttctgtg ggaataaagt ggcca 205

<210> 32587
 <211> 112
 <212> DNA
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<400> 32587
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<210> 32588
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 32588
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<210> 32589
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 32589
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 aacatcacaa ctaaactaga ggccaggcat ggtggctcat gcctgtgatc ccagcacttt 240
 gggaggccga ggtgggtgga gtgcttcagc tcaggagttt gagaccagcc tggctaacat 300
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<210> 32590
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 32590
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 ggtctaaggg gagatgtckg aagtccttca cttaaattat tttatgatac tactgtttts 180
 kctatttttg aggttaaaat tattttaaaa aaatattttg aagagaagtt tattagtata 240
 agcattcatt taatgcaaaa aaactcagcc cttggacata taacctatga attctatatg 300
 aacgttttaga gtactacatg gttgaccaat atctagttct ttactaaaag taaactcacc 360
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<210> 32591
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<400> 32591
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 atcatgctag tatatgacat caccaatggg aaaagttttg aaaacatcag caaatggctt 180
 agaaacatag atgagcatgc caatgaagat gtggaaagaa tgttactagg aaacaagtgt 240
 gatatggacg agcg 254

<210> 32592
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 <212> DNA
 <213> Homo sapiens

<400> 32592
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<210> 32593
 <211> 188
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<400> 32593
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 aggcgtgacc cgcaccaagg ccgggatcgg gaccacgctg cccgggtacc wgcaactgcdc 180
 gcccccca 188

<210> 32594
 <211> 338
 <212> DNA
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 agtttgcccc asactgggga gatgggaggt gagctgtcca tggcgtatca ctagctgtaa 180
 tgatagttag ccctcaaagg cagagataat tgaratcccc tgagamgggra tttcaacctc 240
 accaaatctt tatcagagtt ataaaacagt agtgagatgg actgtttggc ctttaaattt 300
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<210> 32595
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<212> DNA

<213> Homo sapiens

<400> 32595

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ttttagaatt	actgatagaa	cagactatct	aagagtctcg	tgcgaaagat	ttacaatcta	180
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<210> 32596

<211> 305

<212> DNA

<213> Homo sapiens

<400> 32596

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gaagtttcat	ctgtctgggt	gctaaatttt	ctcaatgtta	tgtaccaga	aatggacgtc	180
acatatctca	aaacaatatt	tcagattgga	aggaatctac	ctgcctgtct	gtttcagaag	240
aagagaaact	gaaaaagtat	tccgggaagg	gaagttttcc	ttttcttgac	taaagagaag	300
accat						305

<210> 32597

<211> 356

<212> DNA

<213> Homo sapiens

<400> 32597

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tgaacattgt	cagtgtgatt	ctggtcacat	aggccaaatc	cagccaaatg	ccaaaatgac	180
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attccagaag	aggaaagaat	ttggataaac	tcttaagagt	tcnccatawn	nggatgtgac	300
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<210> 32598

<211> 347

<212> DNA

<213> Homo sapiens

<400> 32598

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gagtaaattt	gagctatgtt	tttttgtaat	gtagagaaaa	aaagaatata	aagaaatata	180
cacagtttaa	aacagtggct	gcttttaggt	agtaagataa	ttcatgagtt	ttctctttaa	240
ttatcattta	tatatgtaaa	tttatatact	tgcaaatctt	ttataatgag	cactttttaa	300
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<210> 32599

<211> 235

<212> DNA

<213> Homo sapiens

<400> 32599

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tacttgattg	gcattttgca	aatcttgaat	ttgctaatac	cacacctctc	tcaactctct	420
cccttaagca	ctgggatcag	gatgatgact	ttgagttcac	tgga		465

<210> 32604
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 <212> DNA
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atcaactggc	agcmmtttac	caactattca	aattaaatct	tattttaata	atttttnata	180
aaagattaat	aaatgaagca	caaccgaatt	gatgcacatt	tgtaccagtt	gaatattttt	240
aactgtcttc	aattttacaga	acatatgaaa	gtaataagac	atgtgtcttc	tataggttac	300
taaagattag	tcttaccctt	catgaggtct	cataaaactt	aattcagaat	tcttaaatga	360
gcaagttttt	cattgtttta	ggagaaataa	catcagaaga	actgcaacag	cggttagatg	420
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<210> 32605
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 <212> DNA
 <213> Homo sapiens

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gttcacataa	tcacagggag	actaattggg	aatgcaccca	aataattcta	tcactatata	120
ctggattata	gagratgcan	gtaaaaaagt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtatac	180
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<210> 32606
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 <212> DNA
 <213> Homo sapiens

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gaagtaccaa	actgttttcc	acagcagctg	caccatttta	cattcccacc	agcaatatac	240
cagggttcca	atttcttcat	gtcctcacca	atacctgtaa	tttttcattt	ttcttttaat	300
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 <212> DNA
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aggcttaaca	gcagaatgga	agtgccagaa	aagagtcagt	aaacttgcag	ataaatcaac	180
agaaattgta	taatctgaac	aacagagaag	taaatgtttg	aaaaaaatag	cctcagggac	240
ccttttgata	tgggacaata	tcaaaagtnc	taacataaat	gaaattattt	tcckagaaaa	300

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<210> 32608

<211> 238

<212> DNA

<213> Homo sapiens

<400> 32608

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tatgaccmaa	ttttgrttag	atgcatacag	taaattgahr	tacacacttg	gtacactacg	180
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<210> 32609

<211> 179

<212> DNA

<213> Homo sapiens

<400> 32609

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actggccagg	cattcccctt	tctctctccc	tctcctctgg	ctcctattcc	ctgagacct	179

<210> 32610

<211> 266

<212> DNA

<213> Homo sapiens

<400> 32610

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cagacttctg	tgacgcttct	agactcaagc	tttcagagag	actcccatga	cagcagccgg	180
gcacctggct	caactgtgtc	atcatgtgtg	tgctcgtgtg	ttctggaatc	ctcccaggaa	240
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<210> 32611

<211> 166

<212> DNA

<213> Homo sapiens

<400> 32611

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gcctgaatct	cccgccaggt	ctcaaaccat	gcagctgagt	aactgcaagg	gcgcctttga	120
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<210> 32612

<211> 169

<212> DNA

<213> Homo sapiens

<400> 32612

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aacatttcct	ttggctctga	tgaactgtta	ggcagtttta	cctcaaactg	ttttttggcc	120
taaggaaatc	tggttctctg	ccttttgaag	ttacattcag	agaccgtgc		169

<210> 32613
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 <212> DNA
 <213> Homo sapiens

<400> 32613
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 atgagatttg ggcatctttc ttttgtggtg gggatgggtt ttggccactg aaagcagaat 180
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 gacatcacca hnbcgcctct gacaaagtca gaacagcttc tgaggatagr kgaccatgat 360
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<210> 32614
 <211> 464
 <212> DNA
 <213> Homo sapiens

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<210> 32615
 <211> 341
 <212> DNA
 <213> Homo sapiens

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 gttttaaatg tagtacaggt tagaccaaac tactacctta ctattatagg acgattctat 180
 gtttctgtta aagtattcaa gtagctttct ctgggggaaa aagtaccact tggacactta 240
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 agtgtaaaat gtcattttgt ttggaatggt aanngagcag t 341

<210> 32616
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 32616
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 ggca 185

<210> 32617
 <211> 204
 <212> DNA
 <213> Homo sapiens

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<210> 32618
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 32618
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 agttyackta aattgatgcv mcttaaactct ggaggttggc cattataata ttagcactat 180
 gtgagaaata tgtaatgctg tttansaaaa tagttaatct gagaagttga aggaaacctt 240
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<210> 32619
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 32619
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 ggtraacgct gcctgtaact tcgagccaca cgagagcttc ttcagcctct tttcggaccc 180
 ccgcagcacc ac 192

<210> 32620
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 32620
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 agcctggcca acaaagtaaa aaccatttc tactagaaat acaaaaaaac tataacaaaa 180
 atattttcgg tgaatttttt cctaccaaaa agatgcataa gctctgtata gtatatthtt 240
 aaactthttca aatgtaaaga tgccatataa atatggaata gctgacatta gttgtgaatt 300
 gaaatattgc tgtatgagat agagggacat 330

<210> 32621
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 <212> DNA
 <213> Homo sapiens

<400> 32621

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<400> 32622

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<210> 32623
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<212> DNA
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<400> 32623

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<400> 32624

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<400> 32625

9321

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gttttcttgc	ctagcttatt	gcagcagctt	ttgaactgct	gttctttctg	taccttgtct	240
tttctctctt	tgatatggtt	tagctgtgtc	cccaccaga	tctcattttg	aattcccatg	300
ggttgtggga	gggaccaggt	gggaggtggt	tgaatcatgg	ggactggcct	ttcttgtgct	360
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<210> 32626

<211> 284

<212> DNA

<213> Homo sapiens

<400> 32626

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aacatgtagt	tagtaggttc	ttgttttcta	aatctagtct	acaaatttct	gctattaatt	120
ggttttttac	accattttata	cttcaaagca	gctttattta	gatataattt	gcataccata	180
caattcacc	atttaaagt	tacaatttaa	tggtttttat	tatattttaga	gttgggcaac	240
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<210> 32627

<211> 344

<212> DNA

<213> Homo sapiens

<400> 32627

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cccgtggtc	aggatgcaga	tgaacaagag	gtcccaggcc	ctgtcctgga	gggggctcgc	180
agcgtagacc	taggaacatg	ccacttcask	ctgggtgtggt	tgtgattgaa	ggggctgagg	240
aggtgggggc	tgcttggtg	cccaattcca	gtcaattcca	gccgatggaa	aacaggtaaa	300
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<210> 32628

<211> 349

<212> DNA

<213> Homo sapiens

<400> 32628

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aaacttgtat	ctgccaccag	gagtttgaca	actactttta	cttaaatact	taaagaattt	180
ttttgatgag	atcagtggta	atgttaatga	atgtgggctt	tttaaagtgc	gtatrntgaa	240
cgatgttata	ttgcaaaatc	agtacaactc	agtgaaccaa	gattttctaa	atgacsgatg	300
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<210> 32629

<211> 345

<212> DNA

<213> Homo sapiens

<400> 32629

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gagaagaaac	atctatattc	ccatcattca	agataaatat	aaaaagtatg	taaatttctc	180

aattaaaaaa atcttttaaac aatagtggac taataacaac agtattctat aacctgttct 240
 tttctgtaaa aaaaaatgaa gaatgaacac atttaccatgt crttcaatgt acattcacct 300
 aatatttgaa tggataaaca gggatatcagt aaatcataat ttatt 345

<210> 32630
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 32630
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 gtaaagtagt taagtatctt gaatctttcc taaatcaaca aatttcctca aggctgacca 120
 tagccaaagc gttaaaggna ataaaagata ataattcaga acaaaatctt acttctttta 180
 aatgttttgt catgccctgt gaacacagta aaggtaatgc kcaaatttag tatattgtat 240
 cttaaaatag gmataaatac tattttcaga tttagcact 279

<210> 32631
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 32631
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 ggctgaattg gataatagtt tttaaatact ta 92

<210> 32632
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 32632
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 ggacacaaaa ggaacatctc tgcagtcaac aaataagcat ttkkagtatc tactgagcac 180
 tttttgaact attagcatct gtttccact ttggctctagt gaagatnccc atgattaata 240
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 cacctt 306

<210> 32633
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 32633
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 agccattctt agtttgtggg ccatgcaaaa acaggcacc atagaccatc atttactgat 120
 tcct 124

<210> 32634
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 32634

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 aacagctcca 130

<210> 32635
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 32635
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 cataggataa aactttcctt ctgaattaaa gcaaatcttg agattgtaag gcagatggga 120
 aaaaaaatt gttatttttg gcctggcacg gtggatcaca cctgtaatcc atcccagcac 180
 tttgggaggc caaggtgggc agatcacttg aggccaggag ttcgagacca gcctagcast 240

<210> 32636
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 32636
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 tttcgtgtgt ctgaagcttt taatgtaatt ttgttt 96

<210> 32637
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 32637
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 gaggtattg gtatcaacat ttggcaggaa ggatttgrtt ctatcctgtg catttgcctc 180
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<210> 32638
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 32638
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 cctgcccytt natgcagaat tatgccctga attatcagta ataaaaatag attagcctca 180
 cctgtcttcc tcttttgttt tctttctgtg tttgttaaga cccttgataa ggaagaaaaa 240
 ttgtaactga taggctttct caaaaacctc acagtattaa tatataaaaa tgtagttgtc 300
 ttttcattta ttgataacga tctaggaacc cgc 333

<210> 32639
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 32639
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<210> 32640
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 32640
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 cataccaatg ttcacaaata tggagtctgg gacatcagaa agaagaagca aagagtctaa 180
 aagggagtgg gctaattcgg caagaagagt actgagagta cttaccacaga agccaaagac 240
 agtgttttaa aagggataat cacatgtgtc taatgcttct gatagttcca gcaggatgag 300
 gttca 305

<210> 32641
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 32641
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 gagcctcakc aggattgctg tgtgaaaacc ga 92

<210> 32642
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 32642
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 gtattatata tgtgaattat ttaacgtatg gaacacccag tgctcatgga ctgcarstgg 120
 gtcwattttt cggacaagtt aagtgaagat tccagccctg cctttctcac ggggacttgg 180
 ataacatgtt taaggacgga aagtaacata tatttccatc tttatctatg aggttcctag 240
 tctttaccaa atatgccatt tcataatgtg gtgttttctt tgtagggay cagtatttat 300
 gttcactcca agacctgaat ttatatrrta acaacattcc ttcattaagt ggaagtgtcc 360
 cgtctacaac cgttaccctt 380

<210> 32643
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 32643
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 acattttttg tcaagtctaa agctagaaaa aaaatgataa aaaccacgca aaatttcatg 180
 tatgatgtta tataatgagc atacacatac ctaaagacca tggcgc 226

<210> 32644
 <211> 106
 <212> DNA

<213> Homo sapiens

<400> 32644

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<210> 32645

<211> 235

<212> DNA

<213> Homo sapiens

<400> 32645

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ggcggctagg gcaggggaaa tgttgaggga ggagtcggac ctctctctca ttattgcca	180
gatagtccaa aagctcaagg gctccaattt gtactctcag ctggaacggc agatt	235

<210> 32646

<211> 152

<212> DNA

<213> Homo sapiens

<400> 32646

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gatgtctagg taaggactaa acaagggcgg ca	152

<210> 32647

<211> 207

<212> DNA

<213> Homo sapiens

<400> 32647

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acaatccaat tatactcttt tagttatttt aaaatgtaca ataaatgatt gttgactgta	120
gtcacctgt tgtgctatca aatactagat cttactgatt ctgtcgaact atatttttgt	180
accactaac catccccact tcccctc	207

<210> 32648

<211> 192

<212> DNA

<213> Homo sapiens

<400> 32648

caacagtcaa cagtactgga agctgaggct tcagaaccca ggtatggaag gcaggaggtt	60
tgaactatgc tccttgaca gaatgggaag ccaggaaaat gcaaatgtca aactatccta	120
cagggaagtc tctataaacc tccacagaac tcccacaaaa gacacactta gggaaaaggt	180
atgcagccca ac	192

<210> 32649

<211> 302

<212> DNA

<213> Homo sapiens

<400> 32649
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 caatcaaaag aaagaggaga aaggaaggga agcattactg gggtactatg cacttgcgac 180
 tgattttcttg gctttttatc attttgaact ttatggaata catcggcagc caaaacgcct 240
 cccggggaag gcgccagcga agaatgcac ctaacgttag tcaaggctgc caaggaggca 300
 tt 302

<210> 32650
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 32650
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 ttcttggttt caattattgg gagttttgga tttccaggaa tgtgcaattg taaaaaccca 120
 gcc 124

<210> 32651
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 32651
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 attaaaattt taattttata taaactaact tggagggaaa agaattgttt aaaaatgttg 120
 tgtattctta ttgataatgt tccctgattg aactctgcat cttcactgga ctatgtatta 180
 kgcgtttact acactgattt tacatttacc agcattttctc agtaaaaaaa aaaaaaa 237

<210> 32652
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 32652
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 gccagggaat tgctcagttg ggagctccga gacagcaggc gggtgaggac ggcattgtct 120
 gggcatctgc ctacaccgt gtacgacagg aacaccattt cttccatct gaa 173

<210> 32653
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 32653
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<210> 32654
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 32654

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wataggactt	t					131

<210> 32655

<211> 293

<212> DNA

<213> Homo sapiens

<400> 32655

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agccccgc	ctgcatcagg	aaggcgccctc	tgccctactct	gggagagaga	aasggcamcc	120
ctcccccttg	ctacgtagtc	gtctgcggag	gcacaaccgt	ggaaacgbra	gccgccacca	180
ccaccaccgc	tcaaacctct	cggcactggc	tggggtacag	ggagcggtg	srmgcgaatg	240
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<210> 32656

<211> 218

<212> DNA

<213> Homo sapiens

<400> 32656

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ccgaaatgga	taggatagat	gagttctcct	tggtgtcat	agttcagtgt	agagatgctc	120
agagactagg	agtcagagca	cagtggaccc	agagggtttg	acttggcagt	atgatgaaaa	180
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<210> 32657

<211> 320

<212> DNA

<213> Homo sapiens

<400> 32657

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aaaatgggtt	ggtctcttct	caagtaaatt	aaggagaaag	tgcccagttg	aataagttct	180
tctctcta	ttttcttaag	cctgttcttc	agtgagwagt	gacaargtgc	aggtwattaa	240
atgggcaawt	aggtagaaam	caagtattam	catamcacag	aacttggtcc	tagctgcttt	300
hctttgttca	ttgtacgtc					320

<210> 32658

<211> 247

<212> DNA

<213> Homo sapiens

<400> 32658

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caatgaaata	ctgtctcata	ctggtcagaa	tggtgtttac	taaaacatcg	aaaaataaca	120
tgctgggtgag	gttgtggaga	aaagggaata	cttatgcacg	gctggtggga	ctgtaaatta	180
gttcagccat	tgtggaaagc	agtttgga	tttctcaact	taaaatagaa	ttaccattta	240
accagc						247

<210> 32659

<211> 73

<212> DNA
<213> Homo sapiens

<400> 32659
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cttatttttc ttt 73

<210> 32660
<211> 118
<212> DNA
<213> Homo sapiens

<400> 32660
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taattcacaa ttacatacta gttttgcatg ttaataatat tggtagacatc ctggggcc 118

<210> 32661
<211> 320
<212> DNA
<213> Homo sapiens

<400> 32661
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gaattgtgct aactaaaaat aagccaatca caaaagattt catgtgatgt gatatttattt 120
ataataatat tcttgaaatg acaaaaatat agaaatggag aacagattag tagtttccag 180
gggtcagaga gtagaggagg gagggagggtg tgtgtgtcca taaaaacgtt gcgccaggga 240
tcctggtgag gaagctgttc tgtatcctca ttgctggtgt tcacgnkaat ctacatatgt 300
gatarcattt gatggaacca 320

<210> 32662
<211> 260
<212> DNA
<213> Homo sapiens

<400> 32662
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agttagattt tactaagacc tgttttactt tacctcacta acaatggggg gagaaaggag 180
tacaaatagg atctttgacc agcactgttt atggctgcta tggtttcaga gaatgtttat 240
acattatttc taccgagckg 260

<210> 32663
<211> 316
<212> DNA
<213> Homo sapiens

<400> 32663
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ggtgtwgtmc caagtcctta tcttttcatg gtccctwann gatccccctgt ctctctgtgt 180
tttgcttctc ccaaccctca gttcctaaat catttcnbgg bttccaaatg accattattg 240
atgagaagga ttgtgcagct tttagttttt attttkattt tcaaagccaa agggccttgt 300
gacgcccctc ttgcc 316

<210> 32664
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 32664
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 gcaaacttta ggccggcttc gcccaggaac gacacgaaga cagagccaga gaatgggtctg 180
 agcccgcgaga cgccgccacc acctccgccc ctgadgagac tctgggctta aggacaatcg 240
 ccgctat 247

<210> 32665
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 32665
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 ccaadmatgc tttatgatac ttgtcctttg tccatcttag tctctgtgtc taaaattagc 180
 amcaacatcc ttcccaggca tgaactgwtg tggatgaagg ttataagggg agaagctctc 240
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 ctttatgacc ccaa 314

<210> 32666
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 32666
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 aggagyggga yagtghatag ctggtaaaca tctcctgyaa taca 104

<210> 32667
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 32667
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 sccamtatatt wtaagtatgt agccacattt taattwtaat grtttgtcat ttttgtgata 180
 agaataagta tactagattc ttattactag gcttgccggtg aaaatgagca tcagaattta 240
 gacctctaata tcaattttatt attttattta cttttkttct cttgccgtgt cttatgggtg 300
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<210> 32668
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 32668

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<210> 32669
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 <212> DNA
 <213> Homo sapiens

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tccagsaaag	tagagaaatg
aacaggtaat	tctgtgcagc
ctgtgccctg	gtagatgtaa
atgccaaagt	ttatgccagt
asktgaagag	ttttgagggtg
tcttgtcgtc	tttcttatag
caggtaatgt	ttttgctgca
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gagtttagcca	catgaagtgg
ataagggaga	gaaggggaagt
tgagkgaagc	atttttacag
ggggcaganm	tggtggaatt
tgtggtgaat	ctagggactt
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 <212> DNA
 <213> Homo sapiens

<400> 32671	
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agaatccarg	aaagctaggg
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aggaatatca	ctttagggtg
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<210> 32672
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 <212> DNA
 <213> Homo sapiens

<400> 32672	
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acaggaaatt	gctgttaacg
tgtycttgct	atctctgacc
tggctactgt	ggccaaggga
gcacagtgtc	ctgatgaatc
aggtctaaat	tatgtgccta
cacttgaggt	aggggtggg
aagagtactc	caaagcaaaa
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<210> 32673
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 32673
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 tgttcamagg ccggggcgtgg tggctctcgc ctgtaatctc aatactttgg gaggctgagg 180
 tgggaggatt gcttgagccc tggagccctg gagttcaaga acagcctggg caacataatg 240
 agaccactgt ctccacaaaa aaattttaaac attagccagg tgcagtggcg tgtgcctgta 300
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 tccagcctgg gt 432

<210> 32674
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 32674
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 agttttacta aactcaattc atatttataa tctgactcag atagctttct aatctggtct 120
 cacgttgaac tgcccagccc taatcaaagt tgaacgaaag tagactgc 168

<210> 32675
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 32675
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 actgtgattg ttgaattaag ctaaaataaa tattatcttg attttattta ccaacatttt 180
 tggtaggatg gaactcaaga ggtagggact gaaccttggg agaacgggga ttggcatgac 240
 cgtgacatta aagtgatcaa tcccctgaca attagcctaa gtttatacag ttatacagtg 300
 ttaagggctc aggttgtctc tccataagca agatagaaag ssyatggmaa gaaataccat 360
 ttccttcttt gaactgaagc catttgagat aaggaatgaa agagtataat ttttaaggcat 420
 ttggtagata ctgttaaaaa aagttt 446

<210> 32676
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 32676
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 gaattttgcc ttattatnng tcaatcttat aaaaatatat gttaagaaac ttatctatat 180
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 cagtggcttc a 251

<210> 32677

<211> 405
 <212> DNA
 <213> Homo sapiens

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 aaaattgtac tccccaggtt cagtaggata gtagagaagt cgtgctaagt tgatttcatt 180
 gaaatgtcac gtctcacatc ctgtggtcca aagggtactag tttgttttgt ggaataattt 240
 tctgttcaact tgctgataag aaatttagca gtcagaagta atttttaatt aataaccttt 300
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 taaattaagt agcacgcact ttgtttacat gcttcagtat attgt 405

<210> 32678
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 32678
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<210> 32679
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 32679
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 gttgtctaag tagtttctct gtttgcttgt catagcagca tttggaaact caaacatgct 180
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<210> 32680
 <211> 216
 <212> DNA
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<400> 32680
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 gcctgcattt gtcactgacc actgaagtgt atgtttgtgc aaggtagag ctgggtgctt 120
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<210> 32681
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 32681
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 cggatagctc ttttcttgta acatcctcag tccttcaaga actacacact ctttttacc 180

tcttctctga gaggagaccc tgctctcttc attccccctc ttctagcctg tatttgcctca	240
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<210> 32682

<211> 334

<212> DNA

<213> Homo sapiens

<400> 32682

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aggccaagtc ctccctcccc attgaaggcs nagtgggaac ccaggagact gctgtgtgac	180
ctcagactgg gctccacact cttgggcttc agtctgccc tctgctgaat ggagacagca	240
gctgctactc cacctgcagc tgggctaggg gcggggamtg ggggtgctat ttaggggaac	300
aagggnnnttc aggagaaacc aggcagcagg ggat	334

<210> 32683

<211> 235

<212> DNA

<213> Homo sapiens

<400> 32683

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acaagaagga aaaaagagtt ttctgtgact ttttcatgtt aagttagggc aatggttggg	180
ttgtggataa ggtcatgtgg cagaataaac tagggagctt ttcttttttt tttt	235

<210> 32684

<211> 253

<212> DNA

<213> Homo sapiens

<400> 32684

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gtgtgtctat gtcatgcctg tatttgaaca tgatcgttgg aaagactgat caaatgttat	120
agtttaggga ccatgcttac ccaatgatca ttcctttaa cgtaaaagctt gaaatttggg	180
aaatgacatt tttacaagat ggcaaaactg gacttgtttt gttttctaag gtgattgata	240
tgcccagagca ccg	253

<210> 32685

<211> 319

<212> DNA

<213> Homo sapiens

<400> 32685

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gtattacttt cctccttttc ccacttagca atatagccaa atgtattcaa cataraaatt	120
catagggtct gaaattcata gctgggccaa attttttatg gcaccttagt tttaccataa	180
tggatcatcta ttacactctt cggttataaa atataccctt atttctttwg tttatagtat	240
ctttgaggaa tgtttttgga aaagttaatt tatattttat agggagaaca ctcaataaat	300
tatgttaact gtgccccct	319

<210> 32686

<211> 127
<212> DNA
<213> Homo sapiens

<400> 32686
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ggaaatcttt ttttctttct cttttttgtt tttgttttat ttttccattt cttttggtag 120
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<210> 32687
<211> 283
<212> DNA
<213> Homo sapiens

<400> 32687
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aacaccgtgc gcttctggca ggcccacagc ggcattctgca cccggacggg gcagcaccag 180
gactcccagg tgaatgcctt ggaggtcaca ccggaccgca gcatgattgc tgctgcaggk 240
taccagcaca tccgcatgta tgaactcaac tccaataacc cta 283

<210> 32688
<211> 408
<212> DNA
<213> Homo sapiens

<400> 32688
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atTTTTggaa aaatttctgc cagatatcca attctgaata ataattagtt cttttaagta 180
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aatgctttt tctcaagaca acaatgctat ttctgtttat gccagaagwa gtactttatt 300
tgtacctcca attttatcac tcagaatatt aaaaacatat gtatttaatg gttgagattc 360
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<210> 32689
<211> 417
<212> DNA
<213> Homo sapiens

<400> 32689
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atcctttgtt tagctacaat atgatactgc ttatcaagca aatagcaaat gctgagatca 180
tgtatatatg cgggtggggg gtgttgaggg ggggtgggtg tttgttgact caggactatc 240
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agaagctttg gttgtggctt ytattcttga gctcagacta tcattttatk wcttctggtc 360
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<210> 32690
<211> 302
<212> DNA
<213> Homo sapiens

<400> 32690
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 aaatattgaa aatgttaagt attctgttaa gctctatgat gttgggtttca aattgagata 120
 agagatcaga gttaattttg cccgtatgtt aatcagaata attttaatgg tttcgggttg 180
 tgttcttttag gactagtgc acaatagtcc tttcccaaaa ggagcacctc ccagtcactc 240
 agattgtgat gacagacgca ggccaaccac attccgaagc agattatata ctggggccac 300
 ac 302

<210> 32691
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 32691
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<210> 32692
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 32692
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<210> 32693
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 32693
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 rdgectctgt gggcatcttg aagggaatg agaagcggag ctcgw 166

<210> 32694
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 32694
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<210> 32695
 <211> 258
 <212> DNA
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<400> 32695

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agctgtaatt tttttaaata aaaatcactg tatgatgttt cataattatg aggaacacat	180
aatcaatgga aagtattttac ataaatttta ataagaaaaa ataaaaacta ttatagatat	240
gatagcataa aggcgttg	258

<210> 32696
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 <212> DNA
 <213> Homo sapiens

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actcagggca tcgggttcca agtattgctg cacattagaa tcacctggga ccttttatcs	240
aggttgact mcccagatcc caagtaagct gggggcatca gcagcttTTa aaaagatccc	300
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 <212> DNA
 <213> Homo sapiens

<400> 32697	
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<210> 32698
 <211> 198
 <212> DNA
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gattggacca tttcaggttt ttggattaag gactcttact gataagtata atgcaaatat	180
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<210> 32699
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 <212> DNA
 <213> Homo sapiens

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tattatttct caggtagaa aacaggctaa taacttccat gattaaacac attactagtg	180
ggagaactcc agagtcttt tctgactccc attgggtgctc ctctacaag gcaaggaatc	240
tttatattag gtttattcta gcatgacccc tta	273

<210> 32700
 <211> 321

<212> DNA

<213> Homo sapiens

<400> 32700

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gaaagaaaaa	aaattggcca	ggcatgatgg	ctcatgcctg	tgatcccagc	actttnggat	240
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<210> 32701

<211> 155

<212> DNA

<213> Homo sapiens

<400> 32701

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<210> 32702

<211> 320

<212> DNA

<213> Homo sapiens

<400> 32702

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ctacgggcag	tcttagccaa	cgagactgga	ctggctcgct	tgctgagccg	gctgagcggc	180
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gctctgccgg	tgggaaagca	gaagcaggac	ctgctggaag	aggacgactc	ggcgggagga	300
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<210> 32703

<211> 246

<212> DNA

<213> Homo sapiens

<400> 32703

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gcctctcaca	gtgcccaccc	gggtatagrc	aactggggaa	agtggggccg	gccacagcca	120
tagccccagc	tagtgacccc	agttagcacc	caccgtccag	agggctccct	gcaggccagg	180
ggtccccag	cgtcaccctg	ttggggagrg	aagaaagggg	gttcagaggc	cggtagcctcc	240
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<210> 32704

<211> 178

<212> DNA

<213> Homo sapiens

<400> 32704

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ctagacgaag	tacatacgtt	agaaatttat	awtcctycta	tttttatgaa	attgaagaac	120

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<210> 32705

<211> 419

<212> DNA

<213> Homo sapiens

<400> 32705

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tttatttgtc	ttatttttat	tgtattttaat	ttttaagtgt	ttttaatctc	gagtgtattga	360
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<210> 32706

<211> 71

<212> DNA

<213> Homo sapiens

<400> 32706

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<210> 32707

<211> 279

<212> DNA

<213> Homo sapiens

<400> 32707

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tgatattttt	ttccagacct	cctgctcaca	tcgtaaaagc	ccactgattc	ttttactaca	180
ctttttatga	gaacaagaga	ttttctagga	agatgggtggc	agaaaaagag	accctgagct	240
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<210> 32708

<211> 72

<212> DNA

<213> Homo sapiens

<400> 32708

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ggctggcccc	ga					72

<210> 32709

<211> 167

<212> DNA

<213> Homo sapiens

<400> 32709

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gttacctact ggtagagtaa gttcattttt ttaaaatgac ctgctgt

167

<210> 32710

<211> 372

<212> DNA

<213> Homo sapiens

<400> 32710

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ttacaggtgt gaggtactgt gtccagccag aaaagattct tgatatgatt ttaattcttg	180
taaattagtt gagatttgtg tttttttttk gtkgttggtg tttaacatgk ggyctatcct	240
ggagaatgtg ctgatgagaa gaatgtttat yctgwagctg ttgggtgaaa tgcctgwaa	300
atgtctgtta ggcccagttg gtcwaaatct aatgttttct tgtkgtttb ctgtctagat	360
gatctgtccc ga	372

<210> 32711

<211> 182

<212> DNA

<213> Homo sapiens

<400> 32711

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tgaaatgtta aagagtttat gggggaaaaa ttcttcaccc ttgtgacttt gtctgatttt	120
aaaaatccaa gagttttatg accgagaaaag ctgagttaac ttgattttct ggaaccaata	180
tt	182

<210> 32712

<211> 306

<212> DNA

<213> Homo sapiens

<400> 32712

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tattttatatt atttatttat ttatttgaaa tggagtcttg ctctgtcacc caggctggaa	180
tgcagtggca cgatcttggc tcaactgcaac ctctgcctcc tgggttcaag caattctcct	240
gcctcagcct cccaagtagc tgagactaca ggtgcacacc accatgcctg gctttttttt	300
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<210> 32713

<211> 211

<212> DNA

<213> Homo sapiens

<400> 32713

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ccgtgcccag ccsactttct ttttcttta cccactgat cactcctagt ctcttactga	180
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<210> 32714

<211> 406

<212> DNA

<213> Homo sapiens

<400> 32714

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tgacaaggaa	gatgggtcttt	ccttcmggac	tggctccctt	caataaggaa	atcattatgg	180
tggatttgag	atgtttcagt	ttgctgatag	ctgacttccg	tctgctctcc	tggaccttat	240
tctctctgcc	aactgcacaa	gtaaatctat	atagatttcn	tcctgatgcc	atttgtgata	300
tattgctccc	tgaaaagcat	tttcctgata	ttttatgaaa	atvyttgaaa	ttggccctaa	360
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<210> 32715

<211> 295

<212> DNA

<213> Homo sapiens

<400> 32715

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accttcatca	cattgtcctt	gggacatgga	aactgactca	aggcatgggt	tataaggcga	180
gagcattttg	ggggggccat	gggtgtggaca	ttggacatgg	atgacgtcag	gggcacgttc	240
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<210> 32716

<211> 202

<212> DNA

<213> Homo sapiens

<400> 32716

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taaggctgct	gtgaacattc	gtgtgcaagt	tttttggtgt	tgttggaattt	ttttttcttt	180
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<210> 32717

<211> 241

<212> DNA

<213> Homo sapiens

<400> 32717

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gactttgttg	gggagaaaag	atcttcttcg	cccattgcct	agattcatgg	ctgagacccc	180
tttaacaaaa	gacagattaa	caaaagaaat	gcatgtgatt	ttatatttta	ttttatacac	240
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<210> 32718

<211> 462

<212> DNA

<213> Homo sapiens

<400> 32718

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aaagccagcg attctgtgtc ttctaatttc tctcatgctt ctctctctct gtcactgtaa 180
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atccttaact taatcacgtc tgcaaagccc cttttgccac ctaagggtgac attcccagtt 300
ctgtggatta ggacgatgac atctttgttg gcaggaggtg gcattacttt gcttgccaca 360
aggttgaaaa aaaatgttgc ttaaaatgga tatttttagtg aaatcactgt tgtaaagggtt 420
ttttttgttt tcgtttgttg tttgagacag agctcactct tt 462

<210> 32719
<211> 287
<212> DNA
<213> Homo sapiens

<400> 32719
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aatcagtgagg agactgtgct gccctcggtt gtaaagttgt gaatgccatc gcgtgagtc 120
tattgcattt catcaaagct ggggtgggtg aatttagtcag atttagttgg ttttgaatat 180
ggacaattag agtgagcttt catcacgtgc tcctttgtac agagccagac cttctccctt 240
gtgttccgtc tcagcattat gcattccagt tgggttttcc ccagcag 287

<210> 32720
<211> 124
<212> DNA
<213> Homo sapiens

<400> 32720
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gggccatctc agctcactgc aacctccgcc tcccgggttc aagcagttct tgtgcctcag 120
gcc 124

<210> 32721
<211> 218
<212> DNA
<213> Homo sapiens

<400> 32721
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gagctgctgt gcagtgttca tccatactcc caagtagccg ggaccagtcc tgatttgctt 180
acaaatctcc tcttcatcaa catctccctg cttgccc 218

<210> 32722
<211> 262
<212> DNA
<213> Homo sapiens

<400> 32722
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tcacctactg aaggacatct tgggtgttcc caagttttgg caattatgaa taaagctatt 120
ataaacatct atgtgtaagt ttttgtgtga caagcaattt ttaactcctt tgggtaaata 180
ctaaggagta caattgctgg atcatatgtt aagaatatgt ttagttttgt agaaaattgc 240
caaacggtat ttcaaagcgg gc 262

<210> 32723
<211> 396

<212> DNA
<213> Homo sapiens

<400> 32723
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ataagagcag cacagacttc ttaactgagc tttctgtaaa caggaacatt ttaataagcg 120
ataaattttt cttccctccc ttctgtctga tgtatgtatg tatgtatgta ygtatgtatc 180
tatctcnbct atctatctat catctgtcta tctatctatc tatcatctat ctatctatct 240
atagtctgcc tatctgctat aagtaatata tttcaaaatt aatattttaa ccaaaatact 300
aaggacatat tttatgtata tgtggaatgt aggggtactt aagagggatt ttttaattcc 360
ccacaaataa tcttggttaat tcaatcaatg ttttat 396

<210> 32724
<211> 152
<212> DNA
<213> Homo sapiens

<400> 32724
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tcctttgtgc ctgcaattgt gagttatgac gatggcgagg aagactttgt tgggaacgat 120
cctgcatcaa ccatgcatca acaaaaagca ca 152

<210> 32725
<211> 353
<212> DNA
<213> Homo sapiens

<400> 32725
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ggatgtgtt tgggttgagg gtactgggaa taattgttga gaattattgg agcatggcga 120
tatacaaaat agaccaaatt ttccattggtt ttgttattat ttttaaactc cttcagaca 180
atgcccgat tacctgagcc cagcacaggc cgctctcacc acctgtcccc ttggtacacc 240
attgactaga aaatcatttg ttgacatttt gctttcatcc taagatttga agtcctcaag 300
gcagtsctcg cgtccttttc atttgggcat cctcagtact cagtatgatg cct 353

<210> 32726
<211> 95
<212> DNA
<213> Homo sapiens

<400> 32726
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ttgcctaact cagggtcattg aagattttcc cctac 95

<210> 32727
<211> 244
<212> DNA
<213> Homo sapiens

<400> 32727
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tgcaaatggt aatgaggctt ttgtgtatgt gtgtgaaatt caaaatccat ccctactcta 120
ttaactctgt aaagaaagt acaccgtagg agaccatagt agtctgaaca aaagggcttc 180
tattgtacaa aaccaatttc catgtaatca agttgggcga cagagtgttt gctcttgaat 240

ggcg

244

<210> 32728

<211> 405

<212> DNA

<213> Homo sapiens

<400> 32728

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gctacgtata	aaagtgtttt	cttccatcaa	taaaagaaat	cagcgaacag	cctcctgtgc	180
gtttcagtaa	gtgcaagccc	tccttgatc	cccagacctc	agcctgctca	ttaatgggtg	240
aggacactga	ggyctggagg	ggactgtgac	atcggagcca	ctctcctggg	gtctgccact	300
cctgtgcgct	cccatacaaa	cctgagtggc	cacgtgaccc	tgggggagcg	ctacctaact	360
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<210> 32729

<211> 369

<212> DNA

<213> Homo sapiens

<400> 32729

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gatgtcaagg	caccatttat	tgtaggcctg	tgcagtgaag	cttctgatac	aagtgccttc	120
ttgccatckg	gcagctmkgt	tctcaaagtc	ccctttgggt	tttgaactct	gtcaattcag	180
tggttgcgat	tggttctctg	taaagagggt	aatactttct	catttgaatc	tagtgaaata	240
ctccaggtaa	catccatcca	tccccttctg	ccgacctctc	ctacccgcca	tgtcccctgc	300
tgtaactgcc	cattaatcag	ccctgagctt	gccaatagga	aaacgcatcc	acggggctgt	360
gaactcaat						369

<210> 32730

<211> 182

<212> DNA

<213> Homo sapiens

<400> 32730

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tcgaatgaaa	attggagcaa	gccttgvcga	tgkttgatcc	aatgcaacta	gattcttcag	120
tacgatttga	tagtgttggt	ggcctgtcta	atcatatagc	agctctaaaa	gagatgggtg	180
tt						182

<210> 32731

<211> 316

<212> DNA

<213> Homo sapiens

<400> 32731

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tkwtactakt	agatgggggt	ttgccctgtt	ggccaggctg	gtctcgaacc	cctgacttca	180
ggtgatctgc	ccacctcagc	ytcccagagt	gttattatta	caggcatgag	ccaccgtgcc	240
tggcctggat	cttctctttt	ctaaggaaaa	gccagaaatt	cgaattattt	acttgagatc	300
tgtcaatttt	actttt					316

0014220" 666ET560

<210> 32732

<211> 171

<212> DNA

<213> Homo sapiens

<400> 32732

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ttaagaaaat	ctcagtaatg	cttggggggag	gragtaaaga	gggaggactg	aaatgtatat	120
gaaatataga	gagcccaaaa	tagctaaaac	catttttaaag	cagaagagcg	g	171

<210> 32733

<211> 245

<212> DNA

<213> Homo sapiens

<400> 32733

aaatatttca	tattagggag	agctctgtgc	tgccctttcc	caaagctttg	gttatttgat	60
gggaggggaa	gtcttctcga	acctatgtcm	gaatatkcgc	ctttgraaga	ggaggggttt	120
tcttgaggct	agttttgtac	ctgctgtwtc	ttttagaaat	gattgcttta	tggatttaaa	180
aggtgaccca	aatgactttt	ttattattat	tatttkttaa	tgctgggagg	agtttgcgta	240
tgtgt						245

<210> 32734

<211> 119

<212> DNA

<213> Homo sapiens

<400> 32734

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cattacatcc	ctttcctttg	gtaatgttta	atcattctat	gaatgtttct	tttgttttt	119

<210> 32735

<211> 288

<212> DNA

<213> Homo sapiens

<400> 32735

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tattcatgga	gaggtggaat	ttggagagag	ttagttcagt	gaatggtgag	tgggggaggg	120
aggaaaggaa	ggaggaaaat	aaggcagggg	aaaaacacag	aaaggttggg	tgggggagcg	180
agaaggaagg	agagaaggag	agagaaagga	gagaatgaga	atatgagtgg	gagcttgtga	240
gcttttccac	tctggtacta	ttatctggca	tgatggccct	caaggcaa		288

<210> 32736

<211> 307

<212> DNA

<213> Homo sapiens

<400> 32736

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aagttccatc	ctgcagaacc	ccagagaatc	ctggcttgct	cttaggaata	tgttggtcca	120
caccattttc	cccagcccaa	ggttggggca	ggggcagact	aagcttccca	agtagtggtg	180
tatacctaag	aagggcctct	tccaaccttg	ttttaaaatt	gggccctgac	ttccagaaac	240
acgttatcag	gtggaaacac	ataaaggctt	agaacttagg	gcctgaaaat	gatgcatccc	300

agagaca

307

<210> 32737

<211> 217

<212> DNA

<213> Homo sapiens

<400> 32737

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gctgacaata agatatattc	taattcttaa	aagtatacgt	ttacatagac	acgtgtataa	120
ttttacacac acgtaagtat	gatataaaaa	cttagtctgt	tgtatTTTTT	tttcccctgg	180
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<210> 32738

<211> 383

<212> DNA

<213> Homo sapiens

<400> 32738

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ctcaggagcc	cacctcgcc	tcccaaagt	ttgggataca	gatatgagcc	accacaccca	120
gcctagagta	gagccatttc	ttgtagagta	ggtctgctag	tgatgaatta	tgtctttctg	180
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aatgtttggg	ttacattatt	ttagcttcca	tggtttctga	tgaaaaatat	gtgttatctc	300
aaggatctct	tgtgtgataa	gacacttgtg	ccggtttcaa	grttctcttt	gtctttgttt	360
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<210> 32739

<211> 77

<212> DNA

<213> Homo sapiens

<400> 32739

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tgcacttttt	ttttttt					77

<210> 32740

<211> 387

<212> DNA

<213> Homo sapiens

<400> 32740

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ccctcactgg	agtggcagag	tctgaaaaac	tgcacactga	acccaaatgt	ccttccttag	180
cagtgtggag	tatactctcc	cccacctgtc	acttttctag	atgaggcttg	gaggggtgctg	240
aggaagggag	ctsgccttat	cagccctcgc	ttctagccag	tatgattcta	aaactgtcct	300
gggaaaaaga	aaagaaaacc	aggagccagg	agcagaactg	ggagcctccc	tcttttgaca	360
gggctggggg	acccatctct	tagctct				387

<210> 32741

<211> 150

<212> DNA

<213> Homo sapiens

<400> 32741

caaaactatta	tattttacaga	caaagatagt	aacattttggt	ccaggagaag	atgccaaagaa	60
gcaaaaaaact	attgccaaga	gaagtaattg	cttatttccta	gttagtaaaa	gtgacatatt	120
ctgagttgat	gctttaactt	ttccacaccc				150

<210> 32742

<211> 193

<212> DNA

<213> Homo sapiens

<400> 32742

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cacgaccggg	cctctccctg	gcgtttggtc	acctctgctt	cattctccac	cgcgccatg	120
gtccctcttg	gagccagcgt	ggcggggcctg	gcggctcccg	ggtggtgaga	gagcgggtccg	180
ggaacgatga	agg					193

<210> 32743

<211> 312

<212> DNA

<213> Homo sapiens

<400> 32743

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tctcttttca	gttttggttg	gtctataagg	aagttaggga	gtggcatgaa	gttagggagt	180
ggcacaaagt	aagtgtctca	taaatatttg	ttaaattatg	gtatttatgt	ctttctgata	240
tttatccaag	agcctgaaca	tgttaacatt	gattaaatgt	gtacacacat	gaaggaacaa	300
ttgagtgggt	ga					312

<210> 32744

<211> 243

<212> DNA

<213> Homo sapiens

<400> 32744

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gatatcggtta	tctacttatt	tatattaatg	acaggatata	cctgggcaaa	cagcatcacc	180
actgtactgt	gtattcttgg	ttgtcatggg	aacctttgct	gtgaaccagc	agtgagagca	240
ctc						243

<210> 32745

<211> 157

<212> DNA

<213> Homo sapiens

<400> 32745

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caggaaggat	gtggagaaag	ctgagtgtca	aagtcagtat	tcaagaccgg	atttactgct	120
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<210> 32746

<211> 355

<212> DNA

<213> Homo sapiens

<400> 32746

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gaggwtcact	tgagctkagg	agttcaagga	tgcagtsacc	tgtgattgca	ccactgcatt	180
ccagcttgga	caacagagtg	agaccctgtc	ttaaaattta	aattttktgt	yttwtggtag	240
agatggggtc	tcgccctgtt	tccgakgctg	gtctcgaact	cctggcctcg	agcaattctt	300
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<210> 32747

<211> 261

<212> DNA

<213> Homo sapiens

<400> 32747

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agaagactgt	ggatagccag	ggccccacac	cagtttgtac	accaacattt	ttggagaggc	120
gaaaatctca	agtggctgaa	ctgaatgatg	atgataaaga	tgatgaaata	gttttcaaac	180
agcccatatc	ctgtgtaaaa	gaagaaatac	aagagactca	aacacctaca	cattcacgga	240
aaaaaagacg	aagaagcaag	c				261

<210> 32748

<211> 365

<212> DNA

<213> Homo sapiens

<400> 32748

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tttaataata	ttcttaacag	tgctgaaagt	tagcattacc	taaaabtgac	ctcaaactta	180
gtagtgtttg	ctgtaacact	agaaaaaaat	aattacctgt	aggttgctgt	aggccattca	240
gtgttctctt	cttgatcctc	cctctgtcct	cwgtattttg	catcagtacc	tgcccttgacc	300
tcaggagcaa	gaagagttgr	caagaatgas	ccctcttggt	accgraaggc	attgtgtcca	360
gatct						365

<210> 32749

<211> 438

<212> DNA

<213> Homo sapiens

<400> 32749

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gtattttttt	tgtagacatg	gggtttcayb	atgttgccca	ggctggctct	gaactcgtgg	180
gctcaagcga	tctgcccatc	tcagcctccc	aaaatgctgg	gattacaggc	atgagccgct	240
gcacccggcc	atgttttact	ttacaaagat	ttatactgaa	tacttggtag	agccangtcc	300
ctgttgga	atattggatg	atgtgataaa	cccaaggata	tttgagatt	gtcagagacc	360
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<211> 112

<212> DNA
<213> Homo sapiens

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<210> 32751
<211> 358
<212> DNA
<213> Homo sapiens

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gttttgccat gttggccagg ctgggtctgga actcccgggc tcaagtgttc tgcccacctc 180
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ttttagtaga gacagggttt cgccatgtcg gccaggctgg tcccgaactc ctggcctcac 300
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<210> 32752
<211> 79
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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tgagagtcca gaaatagacc cttaacttta cagtcagttg tgtttttgac aggggtgtta 180
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aaaccactaa gctcagataa atgcatggat gaaccttgaa aacgtatggt aggtgaaaga 300
agtcagacac aaaaggccac acgtttattt gaaattctgg aataagcaaa ttcaggacaa 360
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<210> 32754
<211> 322
<212> DNA
<213> Homo sapiens

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gctctcactg agctggcagt catatgccat tctttctttc tttcttcttt ctttttgagg 180
cggagtttctg ctctgtcgcc caggctggag tgcaatggtg caatctcagc tcaactgcaac 240
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001399-02400

attacaggca cgcaccacca tt

322

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<213> Homo sapiens

<400> 32755

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<210> 32756

<211> 421

<212> DNA

<213> Homo sapiens

<400> 32756

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ttttctccca	ttctgtagg	gcctgttcac	tgtgatgata	gtttcttttg	ctatgtagaa	180
gccctttagt	ttaattagat	ccatttgtca	attttggtct	ttgttgccat	tgcttttggt	240
gttttagtca	tgaagtcttt	gcccattgct	atgtcctgaa	tggtattgcc	taggtttctt	300
ctagggtttt	atgggttttag	gtcttatgtt	taattcttta	atctgtcttg	agttaatttt	360
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<210> 32757

<211> 155

<212> DNA

<213> Homo sapiens

<400> 32757

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<210> 32758

<211> 381

<212> DNA

<213> Homo sapiens

<400> 32758

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aggactacag	acattcaaca	cbatgcctgg	caagtttttg	tattttttgt	agagatggca	180
tttcaccatg	ttgcccagg	tggtcttgaa	ctcctggcct	caagtgatcc	tcccaccttg	240
gcctccagta	tttgattgtc	agatgagtga	taaaagtcat	gattggtag	agatcagacg	300
agggaaagct	ctagaccaaa	aagagttgga	ataactttat	ggaaggggag	ggattttaat	360
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<210> 32759

<211> 376

<212> DNA

<213> Homo sapiens

<400> 32759

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aatgtgtttc	aagctatcca	atgagttggt	aaaaattact	ttaatgcaaa	gaactacgta	180
ttttaactta	ttggagatca	ggtttccttt	ttcagaacag	tgataaaaag	gtcacttttg	240
agatatccca	tgaaactctg	actgattaac	atgatatatt	cccttgtaaa	tttaggactg	300
atatttttaa	acataaaaatt	gccaacttaa	aaaaataaca	accttgtttt	acaacaagag	360
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<210> 32760

<211> 248

<212> DNA

<213> Homo sapiens

<400> 32760

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ccattcatgt	aggaataaat	caagtgaagca	gttcagact	ttgcataak	attttkacta	180
tgatgctgtt	ttattaatat	tttctaaatt	tcaaaacaaa	aagtgaatgt	ttgaaattgc	240
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<210> 32761

<211> 407

<212> DNA

<213> Homo sapiens

<400> 32761

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tacatcatgt	attgtagcca	acacactgga	ctacaaggaa	tggattctct	cttggttaatt	180
tcctcctctg	tctccaaccc	atcctctcaa	atcccaaaaag	cctaaataaa	tacatttatg	240
ttggtgtggt	actgatttca	aggaaagggt	ctgtacgggt	ctgtgtggaa	acctgaaatc	300
cactatgcag	agtagtgaaa	ccgaaatggg	ctacaactgt	ttgcctttgt	tccaaaacaa	360
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<210> 32762

<211> 93

<212> DNA

<213> Homo sapiens

<400> 32762

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<210> 32763

<211> 71

<212> DNA

<213> Homo sapiens

<400> 32763

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<213> Homo sapiens
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001399-02400

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aggacgacgc ctctttttcc ccctatctcc tcccttcaca ctcatctccc cttcgcc 177

<210> 32769
<211> 170
<212> DNA
<213> Homo sapiens

<400> 32769
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acaaggagtg ggggaccgaa gaaggaagag gcagaggaaa agctagagcg gcgctactgt 120
ttaacctgaa agtctgaccg gcagcccaag gtcggaacct cgtccgcgcc 170

<210> 32770
<211> 131
<212> DNA
<213> Homo sapiens

<400> 32770
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tgaagatact gtcctgtctc taagaaatag tcacctttat ttaaaatcag ttagctgtaa 120
gtagawggaw a 131

<210> 32771
<211> 223
<212> DNA
<213> Homo sapiens

<400> 32771
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ggggtcaaga gaacatttat tgttctcatt ggggtgtttt atttttttaa ctttttgaag 120
taattttaga ttacagaag agttgcaaag acagcggtcc tctatctcct tcatccagct 180
tccccaatg tttaacgtag ttgtggtata tttatcaaaa cta 223

<210> 32772
<211> 129
<212> DNA
<213> Homo sapiens

<400> 32772
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ctatgtgcta tttgtcatcc tttccaggca tctggagaga ttaggtcaaa aggtaataga 120
agggacct 129

<210> 32773
<211> 266
<212> DNA
<213> Homo sapiens

<400> 32773
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cacagggttc ctactcgccc ctgggcctcc ggacaaaatg gggctctgcg ttggtgtcct 120

ggcawaagca gggtagaarv ggctacgggg cgggcccaga atccgmgcct gcagagatgg 180
 gagcagttgc agtggtgagg gcggaagagg wktgcgwctt gttttgggaa cwgccttcaca 240
 ggatccaaaw aggaaatgcc cggcga 266

<210> 32774
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 32774
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 tgaagctctg aatctttctt ctctctctct cctcccccat gctgcagtac atgctgtgga 180
 gatccatgac ttgcagagct ttggccttga caacatcaac atgaccact acatccagca 240
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<210> 32775
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 32775
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<210> 32776
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 <212> DNA
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 attggcattt atagacagtt gagcctatag agtctttggt gggttctaacc ctatcatttt 180
 ataaactggg aaatcgaagc aagttttaga gtttccaatt tgtgcatgag ctagttggat 240
 attactggtc gagcatccct aatctgaaaa tgtgaaatct ctaatgcccc agtgagcatt 300
 tcctttgagc accatgtcag tgcataaaaa gttttccatt ttggtgaccc ankgagtttg 360
 gatctagttt tgtaaagtat attcataaat accaggattt 400

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<400> 32777
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 atgtgggata aagtcawtga gtrattatgg aatataaaaa wttcawcatt ttgtttgtcc 360
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 staartg 427

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<211> 300
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<213> Homo sapiens

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ctcttatttg cttaagacta ccatattggt atctccatcg taaatatggc taaagcagtg 180
gttctcatatc tttagtttct atctgaatcg cctagagagt ttgtttaaag agattacggg 240
gccccgcccc aagagtaaag ctgggggtggg tccaaatatt tacatttcta acaaggcctt 300

<210> 32779
<211> 336
<212> DNA
<213> Homo sapiens

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ccccattgma cttaaacatt aacttgggga taattaaatg agtctgtcac ttggacaggc 300
argaattgta cccccacaa aaccataaaa ccgccc 336

<210> 32780
<211> 221
<212> DNA
<213> Homo sapiens

<400> 32780
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gtataaatatg gaaagggggg aaaagagtaa ctttacagtg gagaaatctg acagacacca 120
gctcagccag gtgattgwg ttaacatcat ccatgataag cccdtgngat agcatgtatc 180
cttgatagca tcacatcata cagnrtgtga tvmgaaatggc t 221

<210> 32781
<211> 139
<212> DNA
<213> Homo sapiens

<400> 32781
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gtgactttct agagattact ttttggttta catcattttc cttgtgacta tttttacttt 120
tttggggggc aggggggacg 139

<210> 32782
<211> 441
<212> DNA
<213> Homo sapiens

<400> 32782
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 <212> DNA
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	95

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aattgtctta	aagttatagt tatacagtag ctttgtaag tcagtatcca aacaaggacc
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ttattttatt	ttattttatk ttttttttga gacggagtct cgctctgtcg cccaggcgag
agtgcagtng	cgct
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	300
	314

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	60
	120
	138

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	95

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 <212> DNA
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ggaaaatggg	tgtgggtgtca	ggtttcagac	gccccatag	ttgtcttcac	gtcctttaat	180
atgtgttggc	atccctcaag	ccctgccagt	ttatgctctt	tsstttgtga	agccttcctg	240
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<210> 32788

<211> 263

<212> DNA

<213> Homo sapiens

<400> 32788

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aaactgttag	aactgtatcc	agtttcttga	aagtaggtat	agtgartaaa	gadtcttttag	180
gtaagtgcac	tccttttaaat	gacttgttgc	gtctaaagtk	ctttcttcat	tgttcagcac	240
cctcacagtc	cattcccacc	ctc				263

<210> 32789

<211> 271

<212> DNA

<213> Homo sapiens

<400> 32789

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acattattag	cagttgcatt	tgaaaarggg	aatagcttct	acccagttag	tgagggtgatc	180
tactattact	aataggaatt	ttaggtgacc	tattgaggtg	tttctgtgta	atcagtttgg	240
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<210> 32790

<211> 344

<212> DNA

<213> Homo sapiens

<400> 32790

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ttgaaaaatt	ggccacccaa	cagtttctgt	gtcaaactgt	taatatgggc	akaagcagat	180
aaaatggaga	ttgaggaact	tcagtctcaa	cccaggggcaa	ttttcccaa	atgaagagca	240
tttaaggaga	agatagaaga	attgcccagg	acattttttt	tttctcccat	gggatggggg	300
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<210> 32791

<211> 495

<212> DNA

<213> Homo sapiens

<400> 32791

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ctggagagaa	agcatgaaat	gttcaacttg	tttaattctca	acaattcgga	aatatgctgt	420
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acctctgaaa	gagatttcca
aaaagahcgc	akgtaacttt
	120
cttatttttc	ccattttccat
tttggtaatg	cagatckrca
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	180
aagttcactt	tcttttgacc
taactcatta	cagtccaaca
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	231

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 <211> 207
 <212> DNA
 <213> Homo sapiens

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atatatgcat	ttccagtgtc
atctggcagc	ccatatcatt
	60
ttagctcaag	cctgcatgta
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caggaagggtg	gtgatctgtg
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tctcagtttc	tgagttgaca
acaaaggcca	ttgnatttta
gactgtgact	ttatcacaaa
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<210> 32794
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 <212> DNA
 <213> Homo sapiens

<400> 32794	
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cctgtgagat	cactgccttg
agccaatccc	tacagccctt
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	150

<210> 32795
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 32795	
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tgccccatat	cattttttgta
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gtcagaaatg	ctcattttat
tttgaattta	aatgtggctt
	120
ttgaagtacc	tagttacctt
gaattcctgg	tgaccacatg
tttttatctg	gaaaacctgg
	180
agaaagttaa	ctgtcccatc
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	229

<210> 32796
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 32796

acagtcccct	aggaacaaaa	agtcgctgca	gaaaatcatc	tcgcgattga	gctgagcctg	60
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atgggcgcgg	gggtagcaaa	tcgaaagacc	cattcaaaat	gggcctgccg	gaaaggcagt	180
tctaccttaa	gattctaaac	acacttctct	cctacggaag	aagaggggac	gctcgacagg	240
tctcgagtgc	atggtaaccg	agcggacaga	ccccaaggct	gcaggacgca	ggccgcccc	300
actccacgag	gcggtcggtt	gaacccggag	ccccccgcgc	agggacctct	tcattttggg	360
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<210> 32797

<211> 339

<212> DNA

<213> Homo sapiens

<400> 32797

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tctttattga	aagtatgtct	cttgattgga	aagttttctg	aaacaaagag	acttactaat	180
tttttttggt	gtwctatttg	attcttgcac	ctttgtccca	cattttctct	ctttgtttct	240
ctctgtggct	gttttatttt	tactttgata	tgcttttact	tctttcttat	gttgttttct	300
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<210> 32798

<211> 431

<212> DNA

<213> Homo sapiens

<400> 32798

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cagaattaac	tgactgtctc	tgtgtgtgtg	tgtgtgtgta	cacaaatgct	gaaaacatga	180
gcctttgtgt	aggggtcaaa	cagaagasaa	gagccaatat	tcccagaaac	ggagtgtwca	240
gatttcctta	aaaaatgtgc	agagattgtg	tttctggagt	cgagggctca	agttaaaagc	300
aaacaaaata	ccacaaaata	tataacaatt	tgtttttttg	gaggattcgc	gattctgaat	360
ttggatccag	ttctcttaaa	tacacattga	acctcatagg	amcatggctc	ttcaagtaga	420
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<210> 32799

<211> 165

<212> DNA

<213> Homo sapiens

<400> 32799

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gagccgmgat	cgrgccactg	amdcyagcct	ggcgacagag	tgaga		165

<210> 32800

<211> 81

<212> DNA

<213> Homo sapiens

<400> 32800

cacagctcag	tattaktttc	aratacaaag	aaggctaaga	agtgttcctc	ggggggagct	60
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atagtagaaa taattacaca t

81

<210> 32801

<211> 236

<212> DNA

<213> Homo sapiens

<400> 32801

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ctacaactcc	ttcatattca	caattgtgtg	cataktactc	tttgactaat	accttctatc	180
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<210> 32802

<211> 358

<212> DNA

<213> Homo sapiens

<400> 32802

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tsrcataatt	cgtgaaggta	aagatatwct	gtgtgcgctt	ggcctccttt	tcacgcatat	180
ttcattgcct	ctttgatgag	tggttacgaa	gacgttaaac	tacctTTTTg	ttccctgggg	240
taataggtca	gtaactatga	gcgccgtctc	tctccatgtg	agcttgtgtt	aatagacact	300
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<210> 32803

<211> 270

<212> DNA

<213> Homo sapiens

<400> 32803

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aatcaatca	gtttctctat	ttgcttgtac	ctgsttatac	gtctctctga	aaagacactt	120
aagcaattgg	taactgatct	ctagagggag	ctgagagaga	ctgcattggg	tggtttctgg	180
agcccctcca	agtgtgaacc	ataggaaggt	ttctcgtata	tgcgaaacat	gaatacaaca	240
TTTTttgggt	catgtaaata	aagttggcat				270

<210> 32804

<211> 169

<212> DNA

<213> Homo sapiens

<400> 32804

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tggakdggag	cknarcttdg	agrragracc	cryarctgtd	ggaasgggr		169

<210> 32805

<211> 365

<212> DNA

<213> Homo sapiens

<400> 32805

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cacttagstc	tcagaagact	taggctgagg	cctcagaagg	agatctccat	cctttgtcca	180
gagcagaaba	ggatggccat	gtcccagggt	agtttctaat	ttaccatac	tttgtttcca	240
gtgaaattga	ggcaagggtt	ggaatctata	tagcagactt	gamaatacrr	attatcccct	300
cttctctggc	tgttttctat	tcaacttgan	nktcaacctc	tggtttctct	gatcctccvm	360
gtctc						365

<210> 32806
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 32806						
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aaggcgctgt	caccanygt	ctgagaccag	gagctcccaa	gtgtctnaag	gggctttggt	180
ttgctttttc	cgttcatcct	ccttgagagc	caacccttg	gcttcagtct	ggacgtgtga	240
atcttccttt	agctcaggac	atctttctcn	tgtgatctct	ctgatgattt	cttctcctgc	300
atcgttccct	gtatgtcctg	taggcaccac	agggaaatatt	agacttcctg	catctcttcc	360
aagcat						366

<210> 32807
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 <212> DNA
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ggtgaatatt	cccatggctc	acaaacacct	gtaagtkaga	tctgcacgga	cggtgagcac	180
aggactgtgg	ttacccccct	agccaagcaa	acaacttttt	ttttdcaggw	gctaattttt	240
gttcaggtkg	catttkccca	gcgcagayta	cagakggcat	cacctttctg	acagcaccag	300
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<210> 32808
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 32808						
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ccagtctagt	cttttcacgt	ttttctgcct	acttcatatt	ccagctgtgc	tgacagctga	120
ttagatggtg	ckwctcaga	ttaagggtag	atccgccttt	cccagcccac	tgacttaaat	180
gttaatctcc	tttggcagca	ccctcacaga	cacaccctgg	atcaataactt	tgatccttc	240
aatcsratca	agttgacact	cagttttaac	catcacaggt	gtgac		285

<210> 32809
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 32809						
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gggctatttk aaagtaaaca ctttgtagc

89

<210> 32810

<211> 425

<212> DNA

<213> Homo sapiens

<400> 32810

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atgggagcgg	agagacgttg	ggacgccara	agtggaaggc	aacgacacac	gggcccggwg	120
gsgcccttca	gctagggaga	aagagaggac	gggggctggc	gggcccggatt	agctgccgga	180
gggctgagtt	tccgcaggcc	tggttaagagt	tccagctctc	gcatcccttt	gccgtgagtt	240
tgaggaggtg	gttgagcgg	rgaaatgcac	cagaggggcg	gggccttcca	gttattaaat	300
tacgtcatgc	aaatgaggtg	gctagacaga	ccaatccaaa	ggccccggga	agcgtttcgt	360
ccgcaccacg	cagcgtaggc	attcttcggg	cagttctacc	tatttgcata	atgtatgcaa	420
atcat						425

<210> 32811

<211> 366

<212> DNA

<213> Homo sapiens

<400> 32811

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tggtgtgaaat	ctcatttata	aaacttccta	agagactatc	tgaactctat	actccagaca	180
gttaggtggg	agtataaatc	tacccttttt	gatgacccca	ggcttgagtt	tttaaaatga	240
ctaccagaaa	gggcacaagg	gggaaggaaa	tggtatttgt	atatgtatat	aaatatgcac	300
ctaggagaat	gtgcttttta	aaataatgac	tactgttttt	attaaaacat	aagaaactac	360
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<210> 32812

<211> 121

<212> DNA

<213> Homo sapiens

<400> 32812

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aaggggaaga	aaatccgagt	gcggcacggg	gttttctcca	ctctctggca	gccccgctcc	120
a						121

<210> 32813

<211> 323

<212> DNA

<213> Homo sapiens

<400> 32813

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accarkttct	tsckaattctg	ctggkhttta	ractcgtgat	ctgaactgtc	tgagagcatg	180
ccttggtggac	ttcaagcccc	agcatgagat	ccagtataaa	cagccttgca	gagactactt	240
scaacctcca	caattgtata	agccaggtcc	ccgtaacaaa	tctcatactg	gttctgcttc	300
cctggttgaa	atttgaatac	agt				323

<210> 32814
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 32814
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 gaaggcattg ttactgtaga tgacgatccc aggcctgtta ttggcactga agacattcca 180
 gtgggacaag atgtgcaggc gtttgctttc taagtctgtg aagtcttctt cagggtggagt 240
 tcctagcgca agggatcctg aatatggaat acgttctgag gcttcagctc cacaagcact 300
 cctgatccac cgttagtata tttccagtgg tcaatggga 339

<210> 32815
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 32815
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 ccctcctcgg cctcccaaaa tgctggaatt ataggcatga gccaccatgc ctggcctata 180
 tcattttact taacagctgt atttagtctt ccatgatgtg acacccact 230

<210> 32816
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 32816
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 ggtttaaaaa tttaatgcct tgcattgcgat gtgcagtggg tgatggaaga acgtcctaca 180
 tggcttknaa attggattta aaaggcdaat atttga 216

<210> 32817
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 32817
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 caaaactgct caatcaaaaag aaagggttaa ctctgtgaga tgaaaacaca catcacaag 120
 aggtttctca cattggttct gtctagattt tatgtgaaga tatttccttt tataacatag 180
 gtcgcaaaagt gtcctaatg ccacttgcga gattctacaa aaagagtgtc tgtaaactgc 240
 tcaatcaaaa ggaagtttbn actctgtgag aagaatgcac acatcacaaa gaagtttctc 300
 agaattctc tgtctagttt tnatgtgaag atatttcctt ttccaccata ggctcctaaag 360
 cgctccaaga atccacttgc agattctaca aaaagagtgt gtcaaacctg ttctatcaa 419

<210> 32818
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 32818
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 ctgacaagtc acagcaggtt gagggtaggg agaaactgca ggtgaggggt gcatgctgaa 180
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 ttcgggatcc tgtttgccat cctcttggtg ctggctctta tcaaaaaggt gnnnaagaag 300
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<210> 32819
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 32819
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 tgacactgag tacaatgttg tacaacattt tttgcctggt ttcatatgat atcaaattta 180
 ttttttagtc ctgatgcatt tacatgagtc aaggcacgaa gtttttatgc ttttatgaat 240
 gcagatgata ctagcaagtc agcttggtca tttgccttag ttaaaggccc tt 292

<210> 32820
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 32820
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 aatgatggga agagaagtaa ttgggagtaa tgagtgaagt agttaatgac taggtcagga 120
 cagcttacaa gcctggagct gccatcact aaaataccaa gcagcagtat gccacagcag 180
 gatcgggtgc cctggggaag gtattcccat tatgttggtg gtgtttgaaa atgctataat 240
 gaccaaaaca aatggctcga ctgactcaga cttatgtcca taggtttgca gtctacgttg 300
 ttcaccagca gagtacaaga ta'ccttgggt tttgctggag gcataaaaaat tctttgttcc 360
 tgtcctcagg cgaaaatggg cacac 385

<210> 32821
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 32821
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 cattttgagg gctcgtctgg gatttgaagg tgacttcatc agaatggact gttgtcctct 180
 aaggaaagtc tctggctgac aaacaattgc ctccctcaaat accaagcttt gctgctaaag 240
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 aaactggagn ncctaaacat gattgtgaac aggcgcagta agattgaagg agctaaaaac 360
 agacttgggt ggatgtctgc agctgcaaag aagaatgtgt gggaacagac acagaaactc 420
 t 421

<210> 32822
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 32822

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ataacatgta	actgttatat	gtyaatatct	cgtcactctc	caagtaaaat	ataaaaagcc	180
aattactttt	gagttattat	cacagcctct	gaatttagaa	gatggttaat	ttgtttttar	240
tggttccaca	gctttgttct	aagatatgtg	ttttcagtg	tcgtgagcat	cttcgtgagt	300
tttctgktg	ttttccttat	cagaaaa				327

<210> 32823

<211> 208

<212> DNA

<213> Homo sapiens

<400> 32823

catacaataa	aaataagcag	atacacaata	cctacagaaa	caatagacat	tacaaacaga	60
cacaaggact	ccagatattg	gtattatcag	acatagcctt	taaaataatt	atacttacta	120
tattcaggga	gataaacaac	aagggtgaga	atattggcag	ataacttgat	tttttgttta	180
aagcagatta	gacataacaa	aagacagc				208

<210> 32824

<211> 338

<212> DNA

<213> Homo sapiens

<400> 32824

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gccaaatcat	ttcaactgaa	aagaacagta	ttgctttgta	atagagtctg	taataggatt	180
tcccatagga	agagatctgc	cagacgcgaa	ctcaggtgcc	ttaaaaagta	ttccaagttt	240
actccattac	atgtcggttg	tctggttgcc	attggtgaac	taaagccttt	ttttgatkr	300
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<210> 32825

<211> 308

<212> DNA

<213> Homo sapiens

<400> 32825

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ccggcatggg	gaaaccccat	ctctacaaaa	agtacaaaaa	ttagctggat	gtgggtgtac	120
accctgtggg	tcctagctac	ttgggaagct	gaggcaggag	aattgcttga	accagaagg	180
cagaggtagc	agtgaagcaa	gatcgtgcca	ttgactccca	gactgggcga	cagagcaaga	240
ctccatctca	aaacaaaaac	aaaaacaaaa	acacaacaaa	gattcctgct	aactacattt	300
ctcatgac						308

<210> 32826

<211> 400

<212> DNA

<213> Homo sapiens

<400> 32826

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ctagagcaga	gttgagtttc	agtgggagaa	gacaatgtga	gatctggcag	cccwtattgc	120

<212> DNA

<213> Homo sapiens

<400> 32836

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ggtaaagcgt	tgatagaagc	gtagggagag	ctgtgcttac	tcacattttt	ccctaggcctt	180
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<210> 32837

<211> 217

<212> DNA

<213> Homo sapiens

<400> 32837

atztatgtag	gcaggtggat	gccaaactgcc	agtgcaggg	ggcataagtt	agcgttccaa	60
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gggatgtttt	caattactgc	atttntttca	nbgaacaaga	acsacaggta	agtnwgtgtg	180
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtg			217

<210> 32838

<211> 318

<212> DNA

<213> Homo sapiens

<400> 32838

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anbgatttgc	tgaacagacc	aataacaagc	tccgaaattg	aatcagtaat	aaataaccta	120
ccaatcaaaa	aaagcccaga	acatgatgga	ttcccagcca	tattctacta	gaagtacaaa	180
gaagagctgg	taccattttt	acaggaacta	tttgaaaata	ttgaggagga	ggaactcctc	240
cccaactcat	tctatgaggc	caacatcatc	ttgataccaa	aatctggcac	acacacacac	300
acacacacac	acacaccg					318

<210> 32839

<211> 168

<212> DNA

<213> Homo sapiens

<400> 32839

tgagaagcac	tagtctagtc	catgtaaaca	aaaatatata	tgagataatt	tcagatgatt	60
acagatgctg	tcacgagaag	acaaaactat	aatggccaga	gagtgggagg	aggacgagta	120
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<210> 32840

<211> 429

<212> DNA

<213> Homo sapiens

<400> 32840

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tcttcaatcc	taagattttc	atgaaaagcc	tctcacttga	acccaaacca	gagtactctt	180
actgcctctt	ttctaaatgt	tcaggaaaag	cattgcsagt	tcagtctttt	caaaatgagg	240
gagaaacatt	tgcctgcctt	gtaataacaa	gactcagtgc	ttatttttta	aactgcattt	300

taaaaattgg atagtataat aacaataagg agtaagccac nttttatagg caccctgtag 360
 ttttatagtt cttaatctaa acattttata tttccttctt ttggaaaaaa cctacatgct 420
 acaagccac 429

<210> 32841
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 32841
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 gccttgcaa catagtaaga tctccatctc tacaaaaaaa taaaaatrna raattagctg 120
 ggagtgggtg catacatctg tagccccagc tcctcaggag gctgagctgg gagggttgct 180
 tgagccccgg aggtakaggc tgtagtgaac catgggtgtg ccactgcact ccagcctggg 240
 tgacagagca gagcaagacc tgtttcaaaa aaaaaaaaaa aa 282

<210> 32842
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 32842
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 aatttgtttt atcagttaat aatattaatc aaagacattt actgtatatt ctagtcattt 120
 tgatttgagt taaccccaaa tataaaatta cctgtagtga tgtctctctc ccagccct 179

<210> 32843
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 32843
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 ggcaaaaaaa aaaaaa 76

<210> 32844
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 32844
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 aagaactgct tttcttcgct tatgatgtt ttggaattcc ctttgtggat ccggattcat 120
 ggactccaga agaagtgatt cccaagagat tgcaagagaa ac 162

<210> 32845
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 32845
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 tatccatggg tatttaggtt gttccaattt ttttttttgw agttaccaac aatactttgg 120
 tgaacaagga accatgtttc gtyctycttg tawakgtatg caggaatttc tctaggatat 180

aaacaactta cctaaaaaat attaaagtaa gaaagtttca atattgkgta ctcycattct 240
ttaaaaaatck ggtccacata acaaaagtat gttctccctc atttcccccc att 293

<210> 32846
<211> 342
<212> DNA
<213> Homo sapiens

<400> 32846
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gagtgaatt agagttggga gatagtctcc tgccgtcttg actctacttt ggcattggag 120
ttagtgtaa aggaaggaa tccagaaacc accagtaggg tagaaagtgg ggagggggag 180
tggaatagaa atgaatgatg aggacatatg tgggtccctc atcttgaggt gcaacaaaga 240
gcaaattggt agctctaacg ttaaattctga gtggctctca datgttttct taacagatgg 300
catctgagcg agaaggctct ggaagttctg gcaactgggn ac 342

<210> 32847
<211> 197
<212> DNA
<213> Homo sapiens

<400> 32847
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gtatggatta gtgccataag aagcaaatac cagaatgtgc ttaagcttgt aaaaagggtg 120
aaggacagca ataaggcttt taagattagt atgagaacaa aaataggaga ggtaagcctg 180
aagattagaa cggacga 197

<210> 32848
<211> 142
<212> DNA
<213> Homo sapiens

<400> 32848
gaaagaaatg tcaaggttga ggtgtctttg agaggagtgt gtttacctgc aaagtatttt 60
cacctacgtg aggaccaggt gctggatgga ggagagagaa ggaggctgga gcaagcccag 120
gtctatactt acttcagctg ca 142

<210> 32849
<211> 273
<212> DNA
<213> Homo sapiens

<400> 32849
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taagatgccc ttttaaatat aaggatcagt gctttgttct gcagcagagt ttgctgataa 120
atgtctgttg gattcttttt ggatttcttt aattaatttg taagtaacca agataattat 180
tttccccctt gctctctatg ttaatacgtg gctataaagc aacagttggt tttcttatcc 240
tttgataaaa gcatcccata aaatataaag tat 273

<210> 32850
<211> 273
<212> DNA
<213> Homo sapiens

<400> 32850

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acacactttt	tatgtagaaa	tgtttccctt	tctcttggca	tatgcgtagg	ggaggaattt	120
ctgggacatt	cattatttat	gttttaacct	tttggaggaa	ctgccagact	gttttacagt	180
ggctgtccca	ttttacattg	ctggacatat	gagggttcca	gtttctccac	atctttgccg	240
acaattgttg	tttgtctttt	agatgatagc	aaa			273

<210> 32851

<211> 275

<212> DNA

<213> Homo sapiens

<400> 32851

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ccacctgttg	aaggacatat	gagctgattt	cagtttgggg	atattacaaa	taaaggtgct	120
atgaatatgc	attttacagt	ttttttgtgt	gaacataaat	tattattctt	ctggaataaa	180
tgtccaagag	tgcaagtgca	agattgtatg	gcaatttcat	gtttagtttt	ataacacact	240
gccaaactag	ctgtaccatt	ttgtatccct	tcaat			275

<210> 32852

<211> 276

<212> DNA

<213> Homo sapiens

<400> 32852

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accttaaaag	gcattagtgg	caaacctgat	aaaatttttt	aaaaaatctg	tggttaatag	120
tattgtacca	atgttaattt	catacttttc	ataattatac	tgtggttata	taagatgtta	180
atattaaggg	aaactggagg	aagaatatat	gggaactcct	tattttcaca	gcttttctat	240
aagtctagaa	ctgtttttaga	ataaaaaatta	aacacw			276

<210> 32853

<211> 250

<212> DNA

<213> Homo sapiens

<400> 32853

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aggcccagag	tggaagatc	gcttgaggcc	aggagttaaa	gaccagcctg	gggraatggt	120
ggtgagactc	tgtctctaca	aaaaatttaa	aagctggatg	tggtggcaca	tgctgtagt	180
cccagttact	cgggagggag	tggcaggagg	atcacttgag	cccaggcggt	ccaccactac	240
actccaatgt						250

<210> 32854

<211> 109

<212> DNA

<213> Homo sapiens

<400> 32854

taatgttaaa	agctgctttt	tttggctttt	tgcatatcta	gtataatagg	aagtgtgagc	60
aaggatga	tgtggctgtg	atttccgacg	tctgggtgtg	ggagagcaa		109

<210> 32855

<211> 75

<212> DNA

<213> Homo sapiens

<400> 32855

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aattagctag ttcta 75

<210> 32856

<211> 275

<212> DNA

<213> Homo sapiens

<400> 32856

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ggagtaaggg caggtacctg tgccatgtgc acagggatct gactgtgwgga ggagtawggg 120
gctraggctg agcacagaga gacagcacca cgctcatggg cccagggatt gcgagagcac 180
tgtgtagtga ccaaaggacg ttcttgagcg tgttttgga tttggcacta ttggctggaa 240
aatgctgatg gttttaacct ctcagtcttc ttggt 275

<210> 32857

<211> 190

<212> DNA

<213> Homo sapiens

<400> 32857

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cccagaaggt tctcttgat acctgctcag tcagttcctt tcactcccga ttgtttggsc 120
agccattgmt aggaattcta tcactatagg ttagttttct ttgttccaga acatcatgaa 180
agcagcgtct 190

<210> 32858

<211> 73

<212> DNA

<213> Homo sapiens

<400> 32858

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atcttttttt ttt 73

<210> 32859

<211> 125

<212> DNA

<213> Homo sapiens

<400> 32859

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agtgagttag tgtgtgtsyg ggggggactc ggcttggtgt tgtcggtgam ttccccctyc 120
gvcmh 125

<210> 32860

<211> 356

<212> DNA

<213> Homo sapiens

<400> 32860
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 aaaatactat atagtccagt ggggaactact ggggagggga ggtgggggca aaggggttra 120
 waaactatct attgggtgct atgttacta tctgggtggt gggaacattc ctaccccaaa 180
 cctcagcatc acacaatata accacgcaac aaacctgcac attttacccc ttgaatctaa 240
 aataaatggt gaaattatca aataagaaga aataccatat aatctggaaa tcccacttct 300
 gagtatatat atttaaaaaa ctgaaatcaa aattttgaag agctgtctgc actgct 356

<210> 32861
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 32861
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 aacaaaaata agtaaccaac agcattttca acatcaaact acttctctct tacmaaacc 120
 aaatgaacaa ctgtcaatag atgaggaatc ctcaagtttg gatgacacaa tcctgcctca 180
 ctgctgtatt cagagtccat gttgtaggat gaggagtgtg gaaaaccctg atgctgcat 240
 ttactgagta cctatctcat ggcaagtatt tgaggctcct tacacagaga tttcatctaa 300
 tcctcaaagt aaactatgat atgggtgtgat cagctcacac agttgaagat gctgaaggct 360
 aaaaatgtta gacaacagac tc 382

<210> 32862
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 32862
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 taacatatat tttttgctag actataagat taatagggat acagaaagtg tgataagtct 120
 agcaaacttt aaaaaataaa gatagaatat tttgggtaat tgtcacatta ttgctgctat 180
 gcatttgcta tatttctttt cccataatga tgtcaggaca ctgattattc attttgcaaa 240
 aatgatatat agagaagccg acynn 265

<210> 32863
 <211> 275
 <212> DNA
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<400> 32863
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 aaatatttaa atctactgtt ttcctttgtt gtttattaga tgagatcaca gcctagkttt 120
 tcgtcgcttt ggccctctga ttgtggattg gcctcataaa gctgagagca aatcctat 180
 tcctcctaaa ggtaattctc aagattcatt rtacttatgt aatttattct tacattgttt 240
 aatgtgtagc cttttcataa atgttcacct tccct 275

<210> 32864
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 32864
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 aaaagcggca sccaatcgga gcgcga 86

<210> 32865
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 32865
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 ctatttggcc ataaaaaata ttgcagtcac gtcatttcta gcaacatgga tgggaattgga 120
 ggtcattatg ttaagtgcaa taaggcaggc atagaaagac aaatgtggca tgttctcact 180
 tatatgggag ctaaaaaagt ggccaggcgt ggtggctcac acctataatc ccagcacttt 240
 gggaggccga ggcgcgcgga tcacctgagg tcaggagtgc gagaccggcc tgaccaacat 300
 ggagaaaccc catct 315

<210> 32866
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 32866
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 ctgtcttaat accgaagatg ccatcctttt ttccagggcc ctcttcttac atgggaagga 120
 tagtggatcc tacttttaaa tgcgattata gtggggcct 159

<210> 32867
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 32867
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 aggcaggaag atggtggccg cwaagaagac gaaaaggctg ctggagtcga tc 112

<210> 32868
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 32868
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 tcaaatacgt cagcaatggg attcaggctt tgcttacaat gtgaaggaag ttcttagtct 120
 catttgaca aagaaggaag gagggctaaa gataaaaaga actcatagtc ttttccatag 180
 ttttgggtca tgttctactgt aaaaaaaaaat cacaagatgc cattttttaca cagccttttt 240
 aatctacaca tacggcgaa 259

<210> 32869
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 32869
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 ttcgttcgtt ggaagaaaaa aaaatcgcta tcgaaccma aacmawtwa adggwacttg 120
 ctrasnaatc tggactaatt tgaagattg cttttagaag ttakcaggat taaagttgca 180

tacagtgc 188

<210> 32870
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 32870
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 gggatggctc agagctttcc cttgactggc watastggga agaggwcagc wrccccctgt 120
 gattdgtttt ctattcaagg aarcttttgg wcccagtctc ccatgttcca ggtggtaggw 180
 gtcsnycagc ccgwcatt 198

<210> 32871
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 32871
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 acaattatct tttcattgta aaatccagaa aactagaagt gatccttaat tccctctccc 180
 tgatagatcc aatgattgaa caagttttta aagtcttact ttctacatga ctcttgaatt 240
 tttctatttc ttctgtttc cactactgcc acttcatctt gcctgaaact tttacaatag 300
 cctccattct tatctgtcct ctctaattca ttacccatct a 341

<210> 32872
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 32872
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 ctctccattg cagttttagt caatgttatt tctgtgtatg tcatgagrag gctaaatata 120
 agtggttaatt tcttgtttga atccgtgaaa tcatgcctgt aaagcccgtc 170

<210> 32873
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 32873
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 tgacgcccac gagcaaatgg aagagggcgg cctccggggt 100

<210> 32874
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 32874
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ggtgggcgga tcacctgagg tcgggagctc gagaccagcc tgaccaatat ggagaaaccc 240
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 acaggaggga aactctgtct ca 382

<210> 32875
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 32875
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 tcaaamntgg ccctctcagt taacattcct tagcagtgc agtcaaagag acacttdaaa 180
 gtgtctctga wttttaatac atcactctgc argtcagtgt ckatctggaa atttctacgt 240
 gagaggtgat ggaaccagag tttact 266

<210> 32876
 <211> 261
 <212> DNA
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<400> 32876
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 tagtttgtaa tttctaggag cattatcaac atatcatcta tagaatccac gataacagca 120
 atttctaaat aattttaacc tttttcattt ttcttctgca tccagaaaga gctctgcaa 180
 tttgttttgc tcaacgaggt gatgaaattt cccgtattgt caattcagct cttcaccacc 240
 tttaatgttt taatcccata a 261

<210> 32877
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 32877
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 gatcaagatg ctgtatcata attcaagtta ttttttctg gagttaagg gaagcattca 180
 gtgatacacc tctctctctc tctctctctc tctcccca 219

<210> 32878
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 32878
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 ggaggccaag gcgggcggat caagaggtca ggagatcgag accatcctgg cgaacacggt 120
 gaaaccccgct ctctactaaa cacacaaaga attagccagg cgtggtggcg ggcgctgta 180
 gtcccagcta ctcgggaggc tgaggcggga gaattgcttg aacctgggag gcagagggtg 240
 cagtgagccg agatctcacc attgcmactc caamctggct gacagagtga gactgcgtct 300
 caaaaat 307

<210> 32879

<211> 354
 <212> DNA
 <213> Homo sapiens

<400> 32879
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 attggcctcc cagccccatt tcagaagggt gttctataac acagtttgga gaaggctaag 120
 ggcagtgcaa atggaagatg ctggccagct gccctgttca gtaagaggaa atgagcttaa 180
 agtgatgcaa tgaggcattc agamgaaatt ttaggaagtt tcctgacaat gaagattggt 240
 aacaattcca tgtctcatag tcttttaaga aagagcatgt gtcctgaaaa amtctcccta 300
 aatcaagac gataaatagg ttggctgact tcctttcaag attagtgatt cacc 354

<210> 32880
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 32880
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 cttgccactg ctcttctgtg ttcttctccc taaagatctc tgttactagt caacaattaa 120
 cctccacc 128

<210> 32881
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 32881
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 ttactggtat gtgaacatgt gtttccttca ttggttctta tgcctacctt gtgtgtgaga 180
 tttcttacct tgtctaataa gaactctctt tataatcata agagacttga agttttccag 240
 tttattattg agagttgtca aaaaataagc agaaagagtt gcacaaagtc tcttgtctaa 300
 cagcattatc aatcattaat ccnnttctg 329

<210> 32882
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 32882
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 gatttgcttg agtggtttag tctgagcagt attggaactt gattgrkttc ccattttaag 180
 atccttttaa aaagtgggta ttcaattcca gtgaagcata actcaaattg tgtgtattga 240
 agacttttgt aattacattt ttgcccata t 271

<210> 32883
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 32883
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ccaaagaaag tggaagagat gtgcttctcc aggtctcagt gcatactctc tatcttccat 120
attgtgagga a 131

<210> 32884
<211> 151
<212> DNA
<213> Homo sapiens

<400> 32884
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ttgtttaata tatttctttt atgacattac ttaaagttaa aaagggtttt ctatccactg 120
tcaattycaa ttggataaca ttttgtcaag t 151

<210> 32885
<211> 303
<212> DNA
<213> Homo sapiens

<400> 32885
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aacattccag tgaaatgtag atattgcttt acttctactt tataaatgag gagggaaaaa 180
ggtgctaaag agatcagcat cttgtctgga atcacacacc cttatatagc agtgtccata 240
gtagacttta agctgtttga catgaaccgc tactcatcat tggctttaat aattacagaa 300
tca 303

<210> 32886
<211> 291
<212> DNA
<213> Homo sapiens

<400> 32886
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cctaaatcav attaaggatg ccatgggttg ccaccttctt tgacatttac gaagatggaa 180
atcttgagca ttgtagtgct aagtaaaggm tatacaaaaga atgattttgc cattcatata 240
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<210> 32887
<211> 286
<212> DNA
<213> Homo sapiens

<400> 32887
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ttacaaaact cacaccaggc acttaaagat gtgctctgct ttttttnmaa ctacggagtg 180
tactgtcttt ctagctcagt ccctgcagac tcttctcaac tctttcccta taggaaactt 240
actccgcgtc ctgccccac ctccataata aataaaggaa tcagcg 286

<210> 32888
<211> 149
<212> DNA
<213> Homo sapiens

<400> 32888

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gggagctgga tgaggttgat atgtcagatc tctctccaga agagcaatgg agggtcgagc	120
acgcacgcat gctgccaag caccgggcc	149

<210> 32889

<211> 144

<212> DNA

<213> Homo sapiens

<400> 32889

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tcattataac aacacaatat caatccagca atcttttagac tacaataata cttttatcca	120
tgtgctcaag aaaggggcc cagc	144

<210> 32890

<211> 190

<212> DNA

<213> Homo sapiens

<400> 32890

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taaatttcct gggtagcagt tttaatcata tgaacttgct gaagttaacg aagcagctgt	180
ccagaagaat	190

<210> 32891

<211> 138

<212> DNA

<213> Homo sapiens

<400> 32891

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tcttcagctt tcttcagtca gtcaccggat cctaaacgtc tctagaatgt gtccttcttg	120
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<210> 32892

<211> 266

<212> DNA

<213> Homo sapiens

<400> 32892

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tctccactgt gccatcccc cgggggtga ctgcctcccg ctcttctctt ggggacgaac	180
acacagcgdt cagtcgagga gaggaagcac ccagggcttc cccgcctcct ccctactcat	240
agctgcagac atccccgccc gcacct	266

<210> 32893

<211> 378

<212> DNA

<213> Homo sapiens

<400> 32893

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agcttaattt	tggtggatac	aaaattcctg	gctgataatt	gctttgttta	aggaagctaa	180
agataggacc	ccaatccctt	ttagcttgta	gggtttcggc	tgagaaatct	gctattaatc	240
tgataggtta	tcttttatag	gttacctgat	gcttttgccg	catagctctt	aagagtcttt	300
cctttttctt	gacttttagat	aacctgatga	ctatgtgcct	aggcaatgat	ctttttgtga	360
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<210> 32894

<211> 318

<212> DNA

<213> Homo sapiens

<400> 32894

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cagcctgggc	aacatggtga	aaccctgtct	ctacccaaat	aaaaaataaa	aaaattagcc	180
ggctgtagtg	gtggtgaacg	cctgtggccc	cagctaytca	ggaggctcag	gcaggaggat	240
ggcttgagcc	tggaabgcag	aggctgcagt	gacctgagat	cataccacta	cactccagcc	300
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<210> 32895

<211> 289

<212> DNA

<213> Homo sapiens

<400> 32895

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tttactttta	gttctgggat	acatgtgtag	aacgtgcagg	tttgttacat	aggtatacat	180
gtgccatggt	ggtttgctgc	acccatcaac	ccgtcatcta	ggttttaagc	cccacatgca	240
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<210> 32896

<211> 353

<212> DNA

<213> Homo sapiens

<400> 32896

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cttacagaag	aaaacatttt	cttacaagtt	ggggatccat	ctaagggaat	cacatatgtg	180
atgtgctggc	atgcatagac	tggaaagatc	gcagcctgta	gagggcttaa	attacttatt	240
ttttccattc	taactcggtg	gttttactac	gatcatcagt	tgggtctctc	tgacttacia	300
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<210> 32897

<211> 147

<212> DNA

<213> Homo sapiens

<400> 32897

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------------	------------	------------	------------	------------	------------	----

agtgggtacat ttgttataaat tgatggacct acattcagac atctttacca cccaaagtcc 120
atgggtttaca ttaggggtttt tttttttt 147

<210> 32898
<211> 318
<212> DNA
<213> Homo sapiens

<400> 32898
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cccctaaaca gtatcttaat ctgttacatg taattgaaat ahtatttgaa gcagtgaagt 120
attgtaacct cagattagtt acattgatca aaacattgat ttatacacac acacacacac 180
atacatatgt agctttttata tttagtctgg ttacattagt gaccatggtr kttactttct 240
tcttaaggag cctttgaatt tcttgtccag ataaaaaatc cgaatatttc tcttagactc 300
atacataaag ggacaagc 318

<210> 32899
<211> 403
<212> DNA
<213> Homo sapiens

<400> 32899
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tatgtggttc taaattggaa aatgaaaata ttataaaaatt attaatactt gttagaataa 120
tatttgtatt catttaggca aggarrttaa cctttctgaa cttgagttac tttttctgaa 180
ggcctggttt ttcactatgt tgtgatgaaa agcagatgag gtagtctgtt aacatagtta 240
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taagtactat ataagtacaa agaagggcac aggaaaaaag gtgcagttgt tttgataggc 360
caggttcagc ayyaagacca tcagacatta aggagaaaca gga 403

<210> 32900
<211> 153
<212> DNA
<213> Homo sapiens

<400> 32900
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cttgtctttg tgtgtgtctg tatatgtaya atatgcaatt tttakytttt gtgtttgtkt 120
gcgwwttgct aaagtgtatg agtgtgcctt tgt 153

<210> 32901
<211> 53
<212> DNA
<213> Homo sapiens

<400> 32901
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<210> 32902
<211> 76
<212> DNA
<213> Homo sapiens

<400> 32902

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atgatgaaac aaatat 76

<210> 32903
<211> 369
<212> DNA
<213> Homo sapiens

<400> 32903
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tattcagatt attttchngt ttttaataaag gatttttctt acttccattg aaaatgggaa 180
gtagaagata aacaggggca accacaagac attcaaactg tcaggactag ggcgtasagt 240
gcccaccctc taaccacttg cctggttccg ttagtcccca agcatgtttg aaaacaaaag 300
acacaaaacta agcatgctga ataaaactag ctgctatggc tgtaataawc agvaaggtgc 360
agagtttca 369

<210> 32904
<211> 181
<212> DNA
<213> Homo sapiens

<400> 32904
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tcttccagcc gacagaaatg gcttctcagg atttctttca acgttggaag tagttgagca 120
atccacagca ggaagtgcag aacatcttca aagcaaagca cccaatggac acacaagtca 180
c 181

<210> 32905
<211> 414
<212> DNA
<213> Homo sapiens

<400> 32905
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aatgttgaga aggtttttta tattagtatc atttaagcta ttccgttga aaagacacac 180
acatattccg tcttccctgc tccccatgaa ttataccttc tggtagtaag ttnrstttct 240
ccttcaccta ctaatgtcaa ttctctatta agtgcaggt catcactctc aaccaggac 300
agaacactaa atcacttgca cttatgctt ttagaaaatt tctcctagaa acctgtcctg 360
aagtcaatag ttcttaacca ggctctttta aaacttcag gggggactgg agaa 414

<210> 32906
<211> 424
<212> DNA
<213> Homo sapiens

<400> 32906
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ccccacaggt cagagtgggt gtagaacccc ttcaggactc ccagccgtgg tcaggctctg 180
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acgtttgttt cagagcacat tttggacttt cactgttggg aaatgaatga atttataaca 300
tgcctgcaca gcgaagggaac acacctgtcg ctcttagctc kagagtcaga ggatgagtaa 360

accagatgc aagagtatag gacattgagt ggggagaaca agacgaccac agaagtcctc 420
 agaa 424

<210> 32907
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 32907
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 cagaatttcc actggcaaca ctggatacta gaattaatta cagcagtgcc atcaaggttc 180
 tgaagaaaat gtttttcaac ctggagtttt acacccaaac tatcaagagt gagagcagca 240
 taaagacatt tttgtatatg cagagtcaca ctgagtttac ctgtcatatg ctattaggac 300
 agtatttaag aaagtaattc aaacaagggg gaacatcaga tcccagatca aatccagtta 360
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<210> 32908
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 32908
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 aatggtagat cagattgggg gatgtagcaa actggacttt aagaactgga aagaggtttt 180
 acaaaagaaa aactttcaga ttcattctctc attttatatg tccrgaaatg gctttgaatt 240
 ttaagcaatt actagtttta attagctctg ccctcatgaa gtattattat aattcacc 298

<210> 32909
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 <212> DNA
 <213> Homo sapiens

<400> 32909
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 gctgggtgtg gtgacgcaca cctgtagtcc cagctacttg ggaggctgag gcaggagagt 240
 cgcttgaact ggggagggcg aggttgagc gagccaagat catgccactg cactctagch 300
 tcagtgatag agcaagactc catctcaaat aataataata ataaagactt aattgatact 360
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<210> 32910
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 32910
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 tttttttttt ttttt 75

<210> 32911
 <211> 355

<212> DNA
<213> Homo sapiens

<400> 32911
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agatgtgcag gagaatgata aggaacaaca tgaagataaa tcggcagtcg gaaaagaacc 180
gattgaaact ctgagaataa agcattggaa tagaagtaat tggtttaaag aagcagaaaa 240
atcatttaga cgtgataaag agttaggatg ctcaaaagtg aactaatttt atagggtgtg 300
ggtttccaaa atttttttgg catgrntaga ctwaatttat ttccttaaag aataa 355

<210> 32912
<211> 334
<212> DNA
<213> Homo sapiens

<400> 32912
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agtngtatag bncagagagt gagaagctgc atttcatgtc tcccaacagt cagaaaggga 180
ttatgtactg ttttaaggaaag gagattggcg aatattttga aacsnttttg ggaaagcata 240
gaatattgaa aatccaaaat taaccaaaats ngtgagtgtg caagckcaaa gctagagacc 300
ttaggaatrck cttaggatgt gcaaaacagg aagg 334

<210> 32913
<211> 375
<212> DNA
<213> Homo sapiens

<400> 32913
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aggtgagccg gtcctgcgga gttgtgccga gtgcctgctg cagtctcatt tccagttcct 180
ccatgacgtg gcaagtgaag acaggaatga aaggratgta aagcagcttt tctctgaaga 240
gaagaagaga gagagacaca gccaagaccg aggctgggcc aagatgggtgt ctgtgtttcg 300
aagcgaggag atgtgtttgt cacaactgtt tctccagggt gaagctgcat attgctgtgt 360
ggctgagctc ggaga 375

<210> 32914
<211> 345
<212> DNA
<213> Homo sapiens

<400> 32914
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tttttttaaag aaacaaaaat cttctaggga tggttccaaa tgtgcctgat ttncctgagc 180
agtgagcagt gcgaccttta cattagcaga tatatttata aatacacata tggcccgcca 240
ggacctgatt ggctgctgat ctgatgagac agcgacagat ttaatgggtgt ttcacctacc 300
tgggggtttag ttttttwagt tactgattta ccttagcagt tttca 345

<210> 32915
<211> 419
<212> DNA

<213> Homo sapiens

<400> 32915

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gttgccagg	ctggctctga	actcctgacc	tcaagtaatc	tgctgcctc	agcctcccaa	180
agtgtctgga	ttacaagcat	gagccaccgt	gccagccta	aaattcagat	tttaattggc	240
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tgaagtttga	cttgtctgct	tgcatatatg	gagaaaatga	aaaacgtact	ctaaaatttt	360
aacctagatt	tttgaaactc	tgaaagaaca	aggaaccaa	tcttactaca	gaactgaay	419

<210> 32916

<211> 429

<212> DNA

<213> Homo sapiens

<400> 32916

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aaagccacgg	gattgtatga	aatcaaact	gagtttgtgg	tgtagactgc	tgtatgcagt	180
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aaaaggttaa	agaacaggca	acacaatgag	cacttaagtt	tttaacatgt	ggggaatagg	360
gcattttaaa	ggctggaacc	agttcagaag	gaaannnggg	tttgggtaga	ggtagaaagg	420
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<210> 32917

<211> 230

<212> DNA

<213> Homo sapiens

<400> 32917

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ccggctgaat	gcttccaaag	caccttttgc	agtgtgaatg	cccgggtgtg	taggaagtgc	180
gagttccccg	agcaaactct	ctcaccgcg	ctgtgttctt	aggcccccca		230

<210> 32918

<211> 377

<212> DNA

<213> Homo sapiens

<400> 32918

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taaattattt	ttagaacaca	agttgggaaa	tgtggcttct	gttcatttcg	tttaattaaa	180
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ttttgcattg	taaatvgtct	ttgttgtaca	ttgtcagtgt	aataaaaaca	gaatctttgt	300
atatcaaaat	catgtagttt	gtataaaatg	tggaagagat	ttatttacag	tgtgttgtaa	360
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<210> 32919

<211> 240

<212> DNA

<213> Homo sapiens

<400> 32919

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tcactcactc attcattcaa attataagaa gctgctactr ttaccttaat gtaatgggta	120
ctgtacaata cactggaagt gaaatagata aatagaacaa tatgaaagam agtaaacaga	180
agtcaaagta cgtatctgtg atcagtagtg agttaatggt tgtaaatagt ttgggggtccc	240

<210> 32920

<211> 287

<212> DNA

<213> Homo sapiens

<400> 32920

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aaacatggat gcaacgtatg tcaagttaat actTTTTTaa accaacgcaa tttgggtgaat	120
atagatgtgt ggtacctgtt ttttaataagt gtactTTTTt tccccctcc gtgaatgtag	180
atcataagca aacaaattgc ctgtctaaat gaactTTTaca tatattTTTaa atgaatgtat	240
gtacttacgt ataaatgtct ttatatagct tgaataaaaa cactgcg	287

<210> 32921

<211> 280

<212> DNA

<213> Homo sapiens

<400> 32921

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catcacctca tgcgatgacc tccctcattc tgtgctgcct cagcacttat cttttgaagt	120
ttgtactgtg ggtccatgta cttactaata tgttgctttg taattatttt ctagcactct	180
gtgttacagt ttcataattg tatttatttc caaaattaaa ttgtaagctc cttgagggca	240
ggaataataa cttttacatt tgtatctctg caccgccata	280

<210> 32922

<211> 181

<212> DNA

<213> Homo sapiens

<400> 32922

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ctccctggca gggcgggacc ttgttttaggc ccygtgatcg cgcgghtcgt agyagcgcaa	120
aggcgacagag tggaccwwga cccgcctaga gcgggaagag tttggcccgc cgggtcccaa	180
a	181

<210> 32923

<211> 402

<212> DNA

<213> Homo sapiens

<400> 32923

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gtgccatcat tccgattccg attttaacag caacctgctg atttccctgcc atagtttccct	180
actttccatt ctgagcccct ttaatccact tataacaatat aactactccc tgaattattt	240
ggtcatacca cttgtatctg ccgaaccctt attcctcccc tggggtacgt tttccactaa	300

acacacacag ggaaatgcc a cccaaatagc tctatgtgtg ccttggtcat tcttgtttcc 360
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<210> 32924
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 32924
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 ataattaagt tttttttttg gttgggcata gtgccttggtg cctgtaatcc cagcactttg 240
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<210> 32925
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 32925
 agattatatt taataactat cagatttttt aaaaccagga aaattctaga gaaactgaga 60
 ttttgtgagt cataatncta cagttctctt aaatkctcag tctttcagat atckatackt 120
 ckccaatgtk tckctatkat aaaaacaaca gtaattgaat gtcygtccca cckt 174

<210> 32926
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 32926
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 ccttggtctg tactgttaca tgggtgtaat agctgaagag gaagcatawa aagtcrgaat 120
 tattccagaa agccaaggta ggagaattta tactaataaa gtttcggata aatttgaatg 180
 aaatgtrkct ctgtgaaaat tattacattt gtttkgaaga catta 226

<210> 32927
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 32927
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 cagcatcata agggaatgta gccttccaac agagatgatg ctgttcgtat gttaatctca 120
 gagacagtat ttcaagagag tggcaggctct gttcctggta aaattttarc cattaggatt 180
 gcagataaat gtttgaattc tgctcctctc tcatcaatcc aggacagtat ttgaagtgtg 240
 agggctttgt gtatagttgt ttatncatta ccacatTTTT gtattttaat agtctacagg 300
 ctatataaaa gaacatggct ttttgactga taa 333

<210> 32928
 <211> 179
 <212> DNA

<213> Homo sapiens

<400> 32928

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agcgcgtcgt	atgcggccag	cactaaggtc	cttctggcac	tcctctggtg	gaccgcccc	120
atcggccaca	cttgccctgc	tctccagtga	ttctgtagct	actggctccg	tagtctcgc	179

<210> 32929

<211> 277

<212> DNA

<213> Homo sapiens

<400> 32929

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gactggagaa	gccttgattg	agttagaagt	atgaagacat	tctcacataa	gattttatta	120
gtcttccatt	atttacaagc	agatgttcaa	gcttcttgat	tgggttttat	ggggtttgta	180
atatgatcct	ctctacctct	ctaaattcca	agttcagtat	tccttgctag	catctattca	240
caagataggg	tgcttttttc	acgggtcttc	ctcccta			277

<210> 32930

<211> 146

<212> DNA

<213> Homo sapiens

<400> 32930

acctaataatt	aaaaatcttc	ttctctaaaa	gtggcatata	accctgatca	agaggtcattg	60
ggctcagttt	gatatatggt	tcacctcatt	cttactgaag	tcctcattat	gatacakcgag	120
gcnnsgaatg	tgtggtgtgg	ggattc				146

<210> 32931

<211> 393

<212> DNA

<213> Homo sapiens

<400> 32931

cacaatatta	gctgcctgct	tctgatgggt	aggaggtaat	caaaatactc	ccaccaaagc	60
actctatggt	ctagacttga	tacttaaaat	ttagttttca	gcattcctca	acaaggatac	120
cttgaggtaa	taggagatat	tttggttaagt	gaaaataatt	cctgcttgga	acacagccta	180
ctgaactcag	gatttaattt	cttgagtatt	aggcagttct	caataaattg	atgtatactg	240
aggaatgatt	ctaaagaggt	tagtgatata	ctgtttgaga	atagatttag	aaaactgaag	300
gtactctcca	gctctacaat	tctgtattag	gaacaatagg	gaaatgagaa	agtgccctcta	360
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<210> 32932

<211> 394

<212> DNA

<213> Homo sapiens

<400> 32932

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ttagtggtcc	caatcgaggc	cattatatgt	caatagttaa	gagtcattgat	ttttgggtgt	120
tgtttgatga	cgacattgta	gaagtaagta	gtttcttaat	ttcttatttt	tgaaagttgt	180
atgcatatgt	tgcttttcac	ttttttctca	tagtttttca	tttatatatg	acaggtgatg	240
atatgagaca	aatgtctggg	tctatagatt	gtagtctaata	tcctacttct	tactctgcaa	300

cgccaagcc cagcagttga gtggcacct aacctttaca cacctagaat aaaacaaggg 360
 aggccaggtg cgggtggctca cgctgtaat ccca 394

<210> 32933
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 32933
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<210> 32934
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 32934
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 actacaattg agtccttgag ctaccctcag ttgtttgtag tactaactaa cdgttycakg 120
 rmccctgctag caagtcagtt tccatgytcc atattgtgct aagtgatgac agaaaggcat 180
 ggaagggaaga gctctaaaaat gaagaaaaaa ataaattttg ataagtgtggg caccttgaca 240
 gaatggattc agactatttt ttagcackgt chvtttatta aaataccacc gtcattccct 300
 tatcttcnac cactagttag tggaacatg gataccagcc gtcactywtg aaggcttgct 360
 agaca 365

<210> 32935
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 32935
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 gccagggttat tttccagtag gtgtatagca tttcctactc ccaccaacag tactcagggt 120
 gcttggtttct ctttaccctt gccttcactg gtatcatcag tctttctcat ttttgccaat 180
 ctgatgggtg aaaaacaata tccataattt tcatgactat ttgtcctttt tttccatgtg 240
 tactggcttt ttcatttctt ttatttggtt cttatggata tcttttgctc atttgagaaa 300
 aataggagtt gtcttaccac tctctgcaag ttctgtgcat ggatattaac tccttcacct 360
 gcgtagtggg ttgtattttg tttcactwgt ctcttgactt tttttttttt tttttt 416

<210> 32936
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 32936
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 aggattgatt gaggtcagga cttcgagacc agcctgaac 99

<210> 32937
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 32937

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 cttttttaaa agagttcatt tgttgaagtg ctagtgaaaa attwatgggt aataaaatwg 120
 gtttgcaa at gactatttat accagtatgc atataatttt taaatatttg taatgtgaga 180
 tgttgaatga ataaaacttt taactcagaa aa 212

<210> 32938
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 32938
 tagaggtgaa ggtttaggac cctaaaccca gtatcgccgg tcagagaaaag tttcatagga 60
 gagatggcct ctgaagacat ggaggaatta atca 94

<210> 32939
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 32939
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 gagcttgggt gga 73

<210> 32940
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 32940
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 agagagatca caaccatcgt ctcaatgaag cagcagcaca cacagggatg tgtggtcgwc 120
 ccaagttcag gggagagagt ttaaaggcgg gatgatcata tgtgaagdhn tggcagcacc 180
 aatatggcac tgtcaaagta aaagagaaat agatctgaac tggattttta tgagaataat 240
 agcaaataat aacatttctt agatagtttg atattttattc tggaaagtatc gctaccaaca 300
 tcaacatctg ggaaagcdag tgggcatcaa aatcctacct ggctaattga aagcaaagtt 360
 ttaatcagt catcactcct acgggcctct caattaaaaa taaaatgraa caaaatgaca 420
 aacttcttaa ttttgt 436

<210> 32941
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 32941
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 gctgagccgg aatc 74

<210> 32942
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 32942
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ttgtattttca	cctgggttcca	gattgggaag	aaagaaaaag	aggaaagaag	caagattcta	120
catcatacca	ctaccatatt	ccttcgcttt	ctagtatgtt	gatgtattta	tgtgttatca	180
gaattccggg	c					191

<210> 32943
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 32943						
ctccaatgat	atTTTTataa	agacaacgca	TTTTTTgtaa	agtttgctgt	gttctTTTTt	60
gtagctTTTT	tacatttatg	TTTTaataga	gtgggcttta	ttaagtcarg	rataccttcw	120
atkgtagatt	aagtacagag	taccaagaag	ggctaagtta	ttcactgggt	aacacaggat	180
tcctaaaatt	actgggaagt	tgtaatactg	ttattgaaat	aattcacact	gtaaaatgtt	240
ctcagata						248

<210> 32944
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 32944						
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gagaaataga	ggagaagcag	aggagcagga	gataaaggat	aaaatgagag	gaagbrgrag	120
aaatagagga	gaaccagtgg	agaaggagga	ggatgacagg	aggaggaaga	ggcaatggag	180
awgaggagag	gaggagaaga	ggggaagggg	c			211

<210> 32945
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 32945						
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gctcggatgc	cccaggcagc	ccgggcacag	tgagcttagt	ccccttcaac	cccstccgca	120
gagctctggg	gcatccgcac	agtcactcct	ggacacaaga	taaggaggag	tttccccgag	180
gcatcacagg	gcttccccgg	actgaggggac	tgactcaact	ggttattgga	cagtgcceca	240
cssccaatcc	ggctgagggg	caggaaggca	gaaggtcttg	gtggccctgg	atcttggtgc	300
tgcaa						305

<210> 32946
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 32946						
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gtagttagct	ggttattttg	tcaagcatta	tttgacattt	tcttagtaaa	ggagaccggt	120
gagtagcttc	cagaagccca	gaagcagaca	taacctccat	tgggacctcc	tgtgcactta	180
tgccccgtaa	tcccctattc	cagattgtta	tgacccaaac	tttaaggaga	actgaatgaa	240
aaaggacaga	aagggttaa	gtatcctact	caacatattt	atgatgttta	tttattttatt	300
tattaattta	tttattttgag	tcagagtctc	cctctgttgc	ccaggctgga	gtgcagtggg	360
gcaatctcgg	ctcactgcag	cctccacctc	ccaggttcaa	gcgattctcc	tgccctcagcc	420
tcccagtag	ctgggattac	a				441

<210> 32947
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 32947
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 taaccctcga gacctttcaa gatctgtcct tgccaattcc tggcaaggaa gaccttgcta 120
 agctgcattc atcaagtcac ccaacttcta tagtcaaagc aggatcatgt ggcgaasata 180
 tgctccacaa ggggtggatag cttttttcat ggaatatgtg aagaggtatg tatttatttt 240
 ctttgtatta catgattggt aaacctgctg tttctgctgt actggcagaa cacttccttt 300
 cnbvtcttat caatgatggt tcaggtttgt tgtctcatgt gtccctagct gggtttgggg 360
 tccagtagta accttgcaag attgtcttgc tgccttcttt gccagagatg aactaaaagg 420
 taa 423

<210> 32948
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 32948
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 tacatccata aaaatcactt agaactggat ccagaggagg at 102

<210> 32949
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 32949
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 catacacaata tcaatacatg tgatacatca catcaacaag atgaaagtca aaaactatct 120
 gatcatctca gcagatgcag aaagaaaaat cactcggtta aacttaccat gccttcatga 180
 tgaaaactct caacaaatta tgcatagaag gaacacttca acataagaaa aggcatatat 240
 gacaaatcta cagctaactt cctactcact gggaaaaatt gaaaagcctt tcctctaata 300
 actggag 307

<210> 32950
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 32950
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 ttagcatgaa gagctgttga attttatcaa aggccttttc cacatctatt gagataattg 120
 tgtggttttt gtcactggtt ctgtttatgt gatagattac gtttattgat ttatgtatgt 180
 tgaaccattc ttgcatccca kaggtgaa 208

<210> 32951
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 32951

cccccttgct	ctctcggccg	tttcccctac	acccgcaggc	cttccacagc	tttttgaact	60
gagsgcaggv	nntcgcaggs	gatctcgaag	gagsagcaac	tgcacggtgc	kcctcabatc	120
cgcgtgcccc	asgtcaccgg	ggaacaaaga	agttacttat	ttttcctttt	agctcakatg	180
aagagagarg	gcgttgtctt	ccacasaaaag	acgctgcgaa	ctccgcccc	gtcccccttt	240
ttcttgagc	ccttccgtgc	gggtgcagct	gtttaaacta	abgccccaa		289

<210> 32952

<211> 289

<212> DNA

<213> Homo sapiens

<400> 32952

ggagatggcc	gggtgtggtg	gctcatgcct	gtgatcccaa	agtgtctggg	ttacaggtgt	60
gagccaatga	gcccgggtccc	aatgtgactt	attaaggatc	acaccaaagt	tactacctgg	120
catttttctg	gtggaagcac	tcagcgtaca	ttctgatgac	ttgnvccaat	ataataattc	180
gtctctacta	gaagacaagc	agcagctgtc	agctgccatg	cataccagca	gctggcaaac	240
aaactaaatc	ctttttatgt	gaaagaaaac	aacatcctaa	tccaccacc		289

<210> 32953

<211> 130

<212> DNA

<213> Homo sapiens

<400> 32953

caacatttat	gttttgagat	attatgtgtt	aggcaccaag	ctaggtgcta	ggtaggggtg	60
caagggcgaa	aaaggcaagt	tagctgtctt	gaagagctta	cattctagtg	ggacccaata	120
ccagggcagt						130

<210> 32954

<211> 250

<212> DNA

<213> Homo sapiens

<400> 32954

tatctccatt	ttaagatgag	gaaattgaga	cagacgagat	tacctaactc	tctcaagggt	60
tcaccacaga	vcgtggttca	aacccatgtg	ttctagtttt	attacagtta	agaaaactgca	120
agagtttgcc	aatttgtaaa	gtgccagtc	aagataaatg	gacactctga	gtatcaaaaa	180
aatacataat	ctgcagatca	aaacacgaag	atacaaacat	ctaagagtca	ccatggaagt	240
tgcgaggccg						250

<210> 32955

<211> 438

<212> DNA

<213> Homo sapiens

<400> 32955

aactcgggac	gtggctacat	ctcccatttc	acctaactgaa	aataacacca	ctccaccaga	60
tgctttgacc	cgaataactg	agaagcagaa	gaagaagcct	aaaatgtctg	atgaggagat	120
cttgagagaa	ttacgtaagg	aatttgtagc	tttctgaacc	tttcttcgtt	ttatgactgg	180
tcaagcacag	agatttgctg	gtcgtaggct	tgggtccatgc	agctggctgg	ccatgcttgg	240
taccttaggc	acagactgct	tctcctcacc	ctgccccctga	acctcccttc	cctgtctcac	300
agccctgggt	ggatactatg	ttaggatgga	gatgtgggtga	gagtgtggat	agcttacttt	360
gagggcaggg	catccctcam	ccctaggcat	gtattatagc	gaagacaaat	agtttttctc	420

taatgaatag cctagaat

438

<210> 32956

<211> 142

<212> DNA

<213> Homo sapiens

<400> 32956

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athtagaatg ataaaaccct tatctttgtg gcaaatatct ttggcatttg ccttttatga	120
tttaatttta tgatacacia ac	142

<210> 32957

<211> 397

<212> DNA

<213> Homo sapiens

<400> 32957

aaaatacaaa actcttttcg aagaagcaaa caaaaagtat gatggattac agcaacagtt	60
gtcttcagta gaaaggggaat tagaaaataa aagaaractg caaaaacagg ctgcaagtag	120
tcaaagtgcc acmsagggtc gcttgaatag agctctagaa gaagcagaaa agtataaaact	180
ggagttaagt aaattaaggc aaaataacaa ggacatagca aatgaagaac acaaaaaaat	240
tgaagtgtta aaatcagaaa acaagaagct agaaahacaa aaaggagaat taatgatagg	300
gttcaagaaa cagttaamat taattgatgt tttaaaaagg caaaagatgc atattgaagc	360
tscaagatgc tatctttcac tgaggaggaa tttatga	397

<210> 32958

<211> 264

<212> DNA

<213> Homo sapiens

<400> 32958

caggggaata aggggtggctt tgatccagcc taaattggga tgtttccagc ccagggaggg	60
tttattgagt gtggggagag gtcataagct ctcaaggagc tgggtgggaag accaggccca	120
cctgcctcct gtctgaagg ggggttatgca gatgagatac aaatgagggc ctgatcctca	180
gccccacca actctccaaa agccaacttg cacagcgagc atttagattg tctctgcagc	240
cagagactgt gtgaaggggg gtgc	264

<210> 32959

<211> 335

<212> DNA

<213> Homo sapiens

<400> 32959

aaactggtct cttgatgaaa aaaattataa gtcacctgag aggcagacag atcaaaccac	60
acaggaaaca ggaaatgcat gtttgatctg ttgtcacgtg tctgtgggga gggccctgtc	120
ccatcctgaa taagatactt atgttgagct attcacatca aggggactca atatatcaac	180
aattgggtttt atttttttct cttttgaata tgttggtgat aattccgtga cagttggaag	240
atgggggttca tdthcsagg tcaggaatca ctatgtattt ccttcttgtg ataaaaatra	300
aattacgaga aggcawtgtg aggttttagt acatc	335

<210> 32960

<211> 287

<212> DNA

<213> Homo sapiens

<400> 32960

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agcggcaaca	gccaggtagc	ccagctccac	agaggctcac	acaccagggc	ttgcaagcac	120
tgagcaccag	gcaggtgcct	ttcctgctgc	caagaagccc	aagtggaaag	tcagctcagc	180
agaaggggaa	gtgaaggaag	agcccaagag	gagattcttg	caattgtcat	ctaaacctgc	240
tcctacaaaa	gcagaaatga	agccaaaaaa	ggcagtcatg	aaaggac		287

<210> 32961

<211> 393

<212> DNA

<213> Homo sapiens

<400> 32961

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gggccccagc	ccacaccttc	accaggatgt	atgcatggag	gtcgtatcta	tccagtcttg	120
ggaacgtact	gggacaactg	taaccgttgc	acctgccagg	agaacaggca	gtggcagtgt	180
gaccaagaac	catgcctggt	ggatccagac	atgatcaaag	ccatcaacca	gggcaactat	240
gggtgagagg	ccctagaggc	accctcagtg	ggcacacatg	catactcatg	catgtatata	300
cgcatgctgt	gctgtggggc	acgtccagca	ggccactcct	acaccagat	ttgactgtgt	360
gtgcgctcag	ccactgtgcg	tctctcccac	cca			393

<210> 32962

<211> 253

<212> DNA

<213> Homo sapiens

<400> 32962

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ttttcttaca	ttactaaggc	taataatgag	atgtaactca	tgaatgtctc	gattagactc	120
catgtagtta	cttcctttta	accatcagcc	ggccttttat	atgggtcttc	actctgacta	180
gaatttagtc	tctgtgtcag	cacagtgtaa	tctctattgc	tattgcccct	tacgactctc	240
accctcagcc	ccc					253

<210> 32963

<211> 393

<212> DNA

<213> Homo sapiens

<400> 32963

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gctgctatct	tgagatttaa	aaatatatat	agtgayymga	tttcttacc	tagttaaagc	120
aagccatggc	tgaaactcag	attaaacaat	attctataaa	aatgagaagg	ccactcta	180
caacagatag	aaaaacagaa	ctatagacat	aagggagagc	tgtgctaagg	gacaaattgt	240
tggttttgta	ggvtttgctc	gtatcctgaa	agttaaatct	ttgtactctt	accttgttta	300
tgccagatt	tgctgatcc	ctgatttccc	tcccaactgg	atcagagggt	gtggaattgg	360
aatttcacca	tacaaacctt	tacttaaagg	ags			393

<210> 32964

<211> 392

<212> DNA

<213> Homo sapiens

<400> 32964

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taactgttct	gatccagtgg	cgtaaataag	atgctgagca	ccactcctgc	tgggtttttt	120
aatgctgttt	catttgattg	agaccagta	gctttttggc	ctatgattct	tggctgtttt	180
gttttgtttt	gttttgngct	ttccctagag	gaataaagta	aagaacttct	tgtgtactta	240
tagcttaaag	aaacagccat	tgtaaccta	acgactgatg	aatgtgtggg	attctcttag	300
atttctttca	tcgacgaaaa	aagatttggg	gttgctttca	gttatttcaa	aaaaacagat	360
ataratcata	aaaattaatc	raaagaaagg	ch			392

<210> 32965

<211> 386

<212> DNA

<213> Homo sapiens

<400> 32965

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ttgagaagtc	atgggtggtt	tttggttttc	acaagtcaag	tagcttgaac	actatcactt	180
gtccaatggg	aaagttgatg	cttatcttta	tggcaaatgc	ttggttgaat	aatatatttg	240
caaagatgtt	aattctacag	agagctaaat	aaagtttaaga	tacctgtaa	acagtttctc	300
cagatgactt	taaaataagc	cttatttttg	taaatttatg	ttaaatttta	gggtgttaagt	360
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<210> 32966

<211> 374

<212> DNA

<213> Homo sapiens

<400> 32966

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aaatactaca	gatagtaaaa	ttcttaatta	aagctgacat	ggttatattt	ttaaaaattt	180
agggtcaatt	agtctttcaa	gatcagaaga	tatttagtta	gtatcatagt	tcagtctgtt	240
ccaagctgta	aagtcagtta	tttcagtaat	gtaatttcta	agatctataa	aaaatgaaaa	300
tattttattt	tcttatataa	ctttctgtga	gagcattgaa	cagtcaagaa	acttgtatgt	360
tttccagccc	ccga					374

<210> 32967

<211> 259

<212> DNA

<213> Homo sapiens

<400> 32967

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gggaaagtct	agttggggat	aaaactggag	aggtaagaa	tttgatccat	gggaaattcc	120
accatttttag	agcaaaatgt	cacgtctgca	aggatcatatt	atatgattct	gactctggcg	180
acagcattca	tgagggctag	agtagtttagc	aactggaggg	aggcatgtta	agatttcaga	240
gtagtaattt	aacccgaaa					259

<210> 32968

<211> 75

<212> DNA

<213> Homo sapiens

004220" 666E750

<400> 32968
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ctcaatttcc ttcatt 75

<210> 32969
<211> 418
<212> DNA
<213> Homo sapiens

<400> 32969
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ccaaacatca ccattctattt ccttttaggtc ctaaaatatg catattctgt cgcggctcgt 180
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ttctgctgtg aaagaagggg attaggttaa ataattttct ctgttttcta ctagctcaat 300
aaattatctg attctgtacc aagattacaa gttaagacca acttctttgt ctggctcatc 360
ataacctatt gttacaaatg aaataagaaa gtatggatag aaagtattcg cttgcact 418

<210> 32970
<211> 325
<212> DNA
<213> Homo sapiens

<400> 32970
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gcagtatttg gatattgctg tttaaacagt agatttggca tagatgatgg tggcakabkt 180
ggttgtaaag gaaaagaagc agaacacctc agtttgttca attctctcat tggggttttc 240
agttgtatcc agaatttaaa acagtaaaat ttaagagtgt gaacagcaac attcacactt 300
tgtttagtaa gtacaaagtt gtgct 325

<210> 32971
<211> 244
<212> DNA
<213> Homo sapiens

<400> 32971
aaatataagt agtaatgaca aatttaatatg tgaatactta cagtagtgca tttcatccta 60
tgaaacgggc aatctggccc attctatata ataggggaga aaatagaaac ttagattttac 120
taattagttc aagttggcac agatataagg ggatctcaga cttcaactca ggcagtcagg 180
cagggcctat actcttgata ttccttttct gatactttct cagtatcaaa ttaccacaat 240
agac 244

<210> 32972
<211> 169
<212> DNA
<213> Homo sapiens

<400> 32972
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tggcagcaat aagaaagacc cttattcaaa ttatttaata attcttcagt gtattctaatt 120
ttagatacgt atgtccttta agatatttac aaaccatttg ggggccttt 169

<210> 32973

<211> 244
 <212> DNA
 <213> Homo sapiens

<400> 32973
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 ttttttattg atatataata gttgtacata tttatggggg acatgtkata ttttgataca 180
 tgcatacaat atgtaaggat caaatcagga taattgggat atttatcacc ccaagcaatg 240
 atca 244

<210> 32974
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 32974
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 tccagcacgc actcctgggt ttaaagttaa tacttgcatc tgccatacct gataagccac 180
 ggcatatcca gatgaaacta gccagactgg aatttgagtc tttggaggca ctcaagcagc 240
 agcaaatgaa gctcgtgacc gagaacctga aggaggaacc aatggaaagc gggaaggaga 300
 aggcaacctg agtgcccagc gtgcccagct gccctgttgg cagaggcctg tgtctgtgcc 360
 acacctgcca cgggtggcagg ggggggtaccg gggcagcatc gt 402

<210> 32975
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 32975
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 ctgtggcggc ttccggcggt cagggttggtg tagaggcgga ggctcaggca gcttgaggcc 120
 ttgctatttt ggaagctaca agaaaaaaat agaggacaa 159

<210> 32976
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 32976
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 gcaagtcata ccattgtttt atgtactacg ynaaaagaaa cacaggtaat tatattgcaa 120
 aatgtgwttc atttgaagat ttcaagacat atgaaaaaat gtgtcttgaa atcaatgata 180
 tatggtttta gggctgcctc tgacttgga gtcctgggaa ttgtttgcat actcataaat 240
 atacaccatc tgtcttggtt taaacataat agagtatgat ctaaagtttc ttttcaattt 300
 tgtwtwkgtt ctaaacttaa cattgaawtt ggctcgtgtg tgcarcacta gaaatttaat 360
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<210> 32977
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 32977
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ggaacttttc cttttggaaa caattaaaaat tgtgtgtcctt atacgggcag a 111

<210> 32978
<211> 145
<212> DNA
<213> Homo sapiens

<400> 32978
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cattttcttg atggaactct tcctagagtt tttaccaaag agctaacttt agtagtaaaa 120
cctcattgtg tatccatbcc cccac 145

<210> 32979
<211> 458
<212> DNA
<213> Homo sapiens

<400> 32979
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aacccttatg aaccattctt cctctcctgg gccttctctg tacctgccac agtacacgtg 120
ttgtgctaka agcacacgtc tctgacatca ctcccaaac catctccaaa gaagccagct 180
cctctgctga actaatcct ccttactctt aaggctcttg tttannstca cttcctcaaa 240
accaggtttag gttgtcttat tacaggatcc catgctattc ttatcatcaa ttctctaaat 300
caggggtcac aacttaaggc ctgtgagcca aataagggtca cccccattca tttacatgtt 360
atgtatgctg tgctacagtg gcagatttgg ccctatagag yraaggaaag gtttgccamc 420
cctgtgctag agcaggaact atgcgctcct caatgtgt 458

<210> 32980
<211> 377
<212> DNA
<213> Homo sapiens

<400> 32980
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tctaggggtt ttaatctgtt tgacagttga ttaaagttag gacattgtgt tcaatgtctt 120
ctcagtaccc actttattga agagatgaac cagcctgacc ttttttctct gtactcttta 180
gggaaaattt ttctatttat aaaggcaata catgttttag ttttgtttta attttagaaa 240
tgtaaaagga aataatacag aaaagtatat agaagaaagc caaggatccc caatgctact 300
atccagagac agttttacaa ttttgacctc tatatttagca taatbtgaca taaatggagt 360
caactacatg cacccta 377

<210> 32981
<211> 308
<212> DNA
<213> Homo sapiens

<400> 32981
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agcgcccgcc gcgascagcg gacagtcctc ctgttgtgtc cgaccgagag tcttggtgac 120
tttgaacatg ctgggtgccg tagccaagct gtctgtcctg ggtgagdga aacggggcgt 180
ggggataagt ggaggagtta gggcaahagg gacaaggccg gtcttggggg ctgtaggcac 240
ctctcgcccc ttctctcatc agctttctca ggctatctag ggcaaaggct acgcgctgtc 300

agcctggt

308

<210> 32982

<211> 312

<212> DNA

<213> Homo sapiens

<400> 32982

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aatgggggaa	aaatgaacaa	aggatagaga	ttctttttga	aagcaaattg	aagccccttg	180
gcactaagac	taaatcagac	taaaagttat	ggttgctgat	caattatata	taaccacaaa	240
taacttgcct	tcaaggggtg	cttcacggtc	agagtgggca	ttaccattgg	ggagactaaa	300
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<210> 32983

<211> 372

<212> DNA

<213> Homo sapiens

<400> 32983

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catatatkh	tggtttggwc	aggaagggat	cttgggaggt	cttccagtcc	ttgtcctgcc	180
tctaggaagg	acagtagctg	dgacactata	aaatcwnntt	gggtgtttaaa	gtcagatcac	240
wgatagtcta	ctaattatgc	aaattatata	tcagaacagg	caagtgggtg	attcaagtat	300
gtnhataagg	catdvcaaac	aatcagtttg	aaattccaaa	tgtagaacat	ctttaggvca	360
tattcaaaag	ta					372

<210> 32984

<211> 141

<212> DNA

<213> Homo sapiens

<400> 32984

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tgTTTTgttg	ttatacatat	atctatgtgt	ttttcaccta	tgtatgtcat	ttttttcatc	120
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<210> 32985

<211> 351

<212> DNA

<213> Homo sapiens

<400> 32985

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actatttttg	tatttgtttt	cctagtttga	ttttggattt	ctccctgtaa	gatatectat	120
aaactctata	tttggggaag	actattttata	tttaattttg	tataaagtgt	ataaagcctt	180
ataaaatcac	atgtaaagat	gtctgcatgg	aagaacactt	tatccacttt	ctcccaaatt	240
taaccttttt	ccccatttgg	aaggagcttg	gaaaccttga	ggaaggattt	actagtttct	300
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<210> 32986

<211> 349

<212> DNA
<213> Homo sapiens

<400> 32986
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tattgggtcaa atctttgtaa gctggctttt gtcttttttaa aaaatttctt gaatttggtg 120
ttgtgtccaa tttgcaaaca tttccaaaaa tgtttgcttt gcttacaaac cacatgattt 180
taatgttttt tgtataccat aatatctagc cccaaacatt tgattactac atgtgcattg 240
gtgattttga tcatccattc ttaatatattg atttctgtgt cacctactgt catttggtta 300
actgctggcc aacaagadca ggaagtatag tttggggggg cggggaggg 349

<210> 32987
<211> 238
<212> DNA
<213> Homo sapiens

<400> 32987
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aaattatttt taatagatcg ttttgactac atggcatttt aaaaataaaa tattggcctg 120
gtgcagtggc tcacgcctct aatcccagca ctttggtagg ccagaggcca aggtgggctg 180
agcacctgag gtcaggagtt ccagtccagc ctggccaaca tggtgaaacc ctgtcgca 238

<210> 32988
<211> 302
<212> DNA
<213> Homo sapiens

<400> 32988
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gtgacttgct tagggaaagg cattcattaa gtatttttta aagaatatcc tactttgtca 120
ggcgttggtt taggcattgt gaatacaatg gtaagaaaaga ctagcaagat cgctgttctt 180
atgmagttta aattctagtg agtgtaagat agaaaatagg taaactatat gagcaaggaa 240
ttttggatag taagcacagt gaagaagtaa aacagtgtaa aggtcttcct taagactggg 300
gg 302

<210> 32989
<211> 274
<212> DNA
<213> Homo sapiens

<400> 32989
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agggctagtc tcttcctctt ttctgtagga tattcccttt cttctctgtt ctttaagtga 120
cctatacccc caggctgtat ctttagcctt cttcatttct tgtcttgtgc tctttttaag 180
tgagctctc atttgatagg ctttcacatt tatttctaca caggtaattc acaaatttat 240
gtgtttactt acaataatct gagtttgcgc ccat 274

<210> 32990
<211> 234
<212> DNA
<213> Homo sapiens

<400> 32990
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acctgttgca	agagtgaatg	taaaaaaata	gttgtggcat	tttaaaaggt	cgcctttgat	120
gcagatgcat	ctttttcttg	cttctaaaac	atatttcatg	taaacattgt	acatttatta	180
ttgtaataata	tactattatg	cagcttattt	tacctgaaac	tgtaagccg	acca	234

<210> 32991
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 <212> DNA
 <213> Homo sapiens

<400> 32991						
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catgggggaa	gtttccccca	tacggttctt	tggtagttaa	taagtctcac	aagatttgat	120
ggttttataa	ggggagaccc	ttttcacttg	gttctcattt	ctctcttgtc	tgccaccatg	180
taagatgtgc	ctttcaccct	ctgccatgac	tgtgaggcct	ccccaacac	gtggaattgt	240
gagtcatta	aacctctttt	tgtttataaa	ttaccagcc	tcaggatgt	ctttatccgt	300
agcataaaaa	cggactaata	catcatgcca	ctgcaaaca	caacaac		347

<210> 32992
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 32992						
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tccatcatct	tgacttctgt	gacagtcatt	tccattaaaa	aaaaaatatt	actccctatt	120
atgtgtcttt	aaacattagg	attagctttt	gtatagtttt	aaactttata	ggaatagaat	180
tatactgtat	atattctttt	gtgacaattg	atctgtgaca	aattgacatt	gtagagcaac	240
ggggaagaga	cactttttca	ataaatgggtg	ctgggtcatt	tgagtatcca	tatagggaaa	300
aataataatt	tgcttcacac	aataaaaaat	aatttcaagt	ggatttatag	atatgaaaag	360
attaaataaa	actgggtataa	cgggtgttaa	tagaaatata	ttgtga		406

<210> 32993
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 32993						
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cattgaaagc	gaccactcat	ttttttctta	aagttgatgc	cttttctgct	gtgctagagt	120
cagtattttg	cttctggcag	gagagctgca	aactgtgtat	cctcaaacag	atgcaaaaag	180
tagtgctttg	caaaacgttt	gttttctggt	tatctcagat	taacatcctt	taatacaagt	240
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aatttttctc	tatttccaac	acgctg				326

<210> 32994
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 32994						
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ttcatgcatg	gcgttaaata	gttctatgag	atatgttacg	gaaaactatc	ctctactcac	120
atacacatca	tattctgctt	ccagaggtaa	gcaatttttg	ctcatttagc	tgattcttag	180
ggactg						186

<210> 32995
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 32995
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 aaatttgtaa ttaggctaata ccatttagtg attcctaata tttgtactc acagagaact 180
 aattgactaa acaactca 198

<210> 32996
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 32996
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 ctcagtcctg cactcagcca gggccacccc aggggctata agagcaacta gatdhctgga 180
 gcagctcggg gatgggtgcc dtttgagccc agcttggtc cccctcctgg ctggcctcct 240
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<210> 32997
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 32997
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 cttagcctga ggctaacagg aataaacttg tcccatgttc agatagttaa ggcatactg 180
 agttggtgga ggaaatgtga tctgttccta gccctatgtg ctaggcagga tgcttgggta 240
 tccagagagt gagtgaagg cccggcgcgga tgccgcacgc ctgaaac 287

<210> 32998
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 32998
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 cttgttatta gttctttccc caggggtgtt aaatcagtga caccagagct aagataaaca 120
 tctagggagc ttggctctta ggtctgcatt tgccacattg ctttcggaaa gcaggagata 180
 tcctttctgt tgacttagag tttgtctgcaa caggggtgtg tggagtatct gtctgccttc 240
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 ctggtagaag aggaggaagc agtgtctgaa ccagagcctg aggggttgcc agaggcctgt 360
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<210> 32999
 <211> 217

<212> DNA

<213> Homo sapiens

<400> 32999

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tacatttatt ttcaagtcta ggtttatatt ccatgaaccc agaagcttgg ataggaaata	180
ctgaactttg cataacatat agttttgttg tcagccc	217

<210> 33000

<211> 261

<212> DNA

<213> Homo sapiens

<400> 33000

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ggtgatatac cttctaaatg acagtaaata gagcaagcct aacagtcctt gctcttcag	120
actTTTTtAAA agaaacaaaa tacacgtaaa ttaatggcat catttttagt ctcttattcc	180
atgtgttaag ttgttctaag tgtaaattaa tttttttttt tyccttgaga cagagtctca	240
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<210> 33001

<211> 147

<212> DNA

<213> Homo sapiens

<400> 33001

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caggaggcgg aggttacagt cagctgagac cgcaccattg cactccagcc tgggtgacag	120
agcaagattc cgtctcaaaa aaaaaaa	147

<210> 33002

<211> 400

<212> DNA

<213> Homo sapiens

<400> 33002

catttgggtc ttaacaatct tccaaggaca acaattctgc ctccctggga agcctctaac	60
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atgccttctg attaatctgt tttcactcag tcttgtaaag ggcacaccct gtagtttcca	180
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agataacaaa atgatgtcat atgaagcaat ataacagtga aagaattttt tttttggtcc	300
tcattacttt tkgtgtcttt tcacaaatct gttgagatta aggatagtgt gtaattcatg	360
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<210> 33003

<211> 63

<212> DNA

<213> Homo sapiens

<400> 33003

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ttc	63

<210> 33004
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 33004
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 aacaatacat ctttatctta aatctaagca aagtagaggt tkgatttact tatttataga 120
 tttatttctt taacctgtca tttttttaat cccagaactg caaatctaata tatccaacaa 180
 agggaaacag aatctccatc ttccagcctt ctaccacgat ttagattata tatttgggat 240
 caggacagga gacttttgtc tacctgccag ccagagagag actttacatt tagcagacac 300
 cccac 305

<210> 33005
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 33005
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 aaagatgtct tgccccttct ccagataatg gaaatctttg tgaagcaagc ataaaatcta 120
 tcacagtggg tgaatatggc aagtcatttg cagtcgtctt atatgcagat tttcaagaaa 180
 ggaaaatacc tcttaaacag cttcaagaag tgaaatttgt taaagattgc cctaggaatc 240
 ttatatattg tgatgaagat ttagaaaaac cttatttccc aaaccgaaaa tttccatcat 300
 cttctgttgc ttttaaatga tctgacaatg gagactctat tccttatacc atcaataggt 360
 atttgagagc taccaaagag aaggaaccgg tttctttatg gacactacat ccatggagga 420
 ggg 424

<210> 33006
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 33006
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 ctgactcaa taggcacaag attgttctgt gaaattgtta amagktttct aagtgcctgc 120
 ttttgatttc tgaaattagc tctttgtggg ctctttacac cccagaagc aagagtgggc 180
 ctactttgc ccagtgtctg tggagaattt aacggcagct ccttgataag accct 235

<210> 33007
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 33007
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 tcaaaagtga acattgggga ccatcaacaa catgtccttt taatttataa catctaaata 120
 atcgatgtta gactgttaata ccawggccgg ggtca 155

<210> 33008
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 33008

caccttaaaa	ttcttggtat	atctttatctt	tatgagttgt	cagatctatc	atgatgaagc	60
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gaavaaataa	ttaccatcct	tcccatgata	caatacaatg	ttattttcca	tttttccatt	180
ctgcattcaa	tgagtattaa	taataamaat	cacttccaat	atagagtact	atgttagacc	240
cagtgaaggt	tgctaaggta	taaaacttcc	artcctttct	caagcagttt	atcttaaaat	300
aataatgatt	atmgtaaaca	tgtattgava	cttaactatg	tgctgcagc	tatgctgaca	360
tacttaggca	caccacatgc	attacctcat	ttaacacaat	a		401

<210> 33009

<211> 357

<212> DNA

<213> Homo sapiens

<400> 33009

cttgtgaaat	aaaggccctg	ataaattttt	aagatatgct	ctagttctaa	aagttattag	60
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ggtaraaaaa	aatgcaaaaa	cttagtgtca	acaagggcct	gaattaaaca	aataaaaagca	180
ctgagaaagt	agaatagaaa	gaagccaaat	aacagaagag	tcataatatt	agctaattatt	240
tatagatctg	ttaagttaga	tctataaata	taatgtmata	ttattataca	ttatgtttgc	300
tgttagatta	cattattact	ctatagtaag	ttttcagggg	atttcttaaa	accatac	357

<210> 33010

<211> 336

<212> DNA

<213> Homo sapiens

<400> 33010

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attmtgtcgc	ccaggctgga	gtgtakrcat	gatcttggct	cactacaacc	tctgcctccc	180
gggttcaagt	gattctccca	cctaaattcc	caagtatctg	ggattaaggg	cgctgcccac	240
catgcctggc	tttttttgta	tttttagtga	gacgggggtt	caccacgttg	tccaggctgg	300
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<210> 33011

<211> 77

<212> DNA

<213> Homo sapiens

<400> 33011

ggtttgaatg	agactcgtcg	caccgaagcc	gccgccacca	ccgcgcctcc	gcctcggccg	60
ccgcgcgagc	tgctcct					77

<210> 33012

<211> 340

<212> DNA

<213> Homo sapiens

<400> 33012

cctttaaact	tagcatttgt	gcttggctct	aattgtttta	ctttagtga	cattcagtgg	60
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attatrttac	catagatgtt	tttaggagcc	tatccctcag	aattgaggag	tkactataca	180
gtttggttat	actgatttat	tatactgatt	gtwttagta	acatatggag	agagagttaa	240

ataattgtwt gcttttggag ttgcagtga ctamaactgt rtttyataca atataagtvc 300
cgctctatct ctaacttggt tcttagcaca cacaccttaa 340

<210> 33013
<211> 215
<212> DNA
<213> Homo sapiens

<400> 33013
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caccaaact gttcttcata cctagaaaga ttgggcttgc agtaggccct atgtgattat 120
tgaaagaaaa gcataatata tttgagtccc gtaaaaagtt ttgagatact agtttaagga 180
gtttaaatct tatccttttag cacaaggact gggat 215

<210> 33014
<211> 308
<212> DNA
<213> Homo sapiens

<400> 33014
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atacagagaa ctccacaaag atactcctca agaagagcaa ctccaagaca cttaattgtc 180
agattcacca aagttgaaag gaaggaaaa atgttaaggg cagccagaga gaaaggctcg 240
gttaccacaca aaggtaagcc catcagacta agagagatct ctcgacagaa actctacaag 300
ccagaaaa 308

<210> 33015
<211> 68
<212> DNA
<213> Homo sapiens

<400> 33015
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gggctttt 68

<210> 33016
<211> 440
<212> DNA
<213> Homo sapiens

<400> 33016
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tctaggagcc gaacattaat gccagatcaa gttggcctaa cagtgaaaag catgttgacc 120
aggaggatgc cattgaggcc tatcacggg tctgccagac aaacaggctg ctggaggctc 180
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aggccctgaa ggaggagatg gacaaacagc agcagacctt ctgccagacg ctactgctct 300
ccccagaggc ccagggtggaa ttcggcggtc agcaggaaat atcccggtg accaacgaga 360
atctggacct taaagaactg gtagaaaagc tggaaaagaa tgagaggaag ctcaaaaagc 420
aactgaagat tacatgaaga 440

<210> 33017
<211> 90
<212> DNA

<213> Homo sapiens

<400> 33017

tyttytytyaa cccccacact aatggcagac attagtcctt ggtgagtagc gggaaggttag 60
aattgagtagc atttctctga gcctacaaga 90

<210> 33018

<211> 332

<212> DNA

<213> Homo sapiens

<400> 33018

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aataatttct tcataattgt vataattaga matrcatacm aaactcagta gcttcattgt 120
gacacaaaga ccaactggagt tctgtccttt ggtgagcctg ttattccant cgtaatgcat 180
ttatcttttag attgggtagg gtgggatttg cattgagtta caatgagttt tcygrtcctt 240
atcagtcagt attaggagtg actgttttta atagtataa tgaggcagct attcccaggm 300
gaagaactta gtcacaggca gaattgtcag aa 332

<210> 33019

<211> 98

<212> DNA

<213> Homo sapiens

<400> 33019

tttctaggtt tacaatcata ttataatgaa aacagataat ttgacttctt ttcttacata 60
tatgcctctt atttcttctt cttgctcaat tgctcctt 98

<210> 33020

<211> 265

<212> DNA

<213> Homo sapiens

<400> 33020

atcaagtttg tcttggtggg ccttgagttt atgattattg atttctacga tggatattgtg 60
taagcgttta acctcagctt ctactttacc agctttcctc arscsacagc atgayattct 120
gaaattaaaa aataaagaac ctaantngtg tttttatgct aatgaacatc atttggttaga 180
tgtacatttc ttcagttgct atgacttgac gtgatgcatt aaaacaaatt ttaggcatat 240
gggaaaaagc accttaaaaa aaaaa 265

<210> 33021

<211> 420

<212> DNA

<213> Homo sapiens

<400> 33021

tgatccagga aagtctttgc tgaggacagg ccagcggagc ratcctttgt agctgagcca 60
gttttgagag gcagatataa acgtctgcca gccatactar gtgctccaaa gctggaagcc 120
atagctggaa gttctagtga gaacagtaga gggggaggct tgggagaggg aggtggaaac 180
gtaggatggg gccagcacc cagtggctcac acacagctgc tcagggtggg cagacactcc 240
tgtcncactg cagcccagac ttccttggtc ttncggmaat gagaatttgc tttatctgcc 300
aagaccctag atgctacaga cgctgccggc ccagggagca tgctctgaga acccctggac 360
tagaccacag agamctagga gcatrnatct ccttttggtg aactgggagc agctgatggt 420

<210> 33022
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 33022
 ggagaaggta gtttctgagc aagggtggtgc ttttctctctg cttctcagca gctaagacag 60
 aaattgcacc gaagtgtaca aaggggccaat ttttggtgtc ctggtgtgct caaatccttt 120
 tttttaaaaa agttatttca atcaagtctt agttttattc ctcactatat agggaaaaaa 180
 tctttaatgc ctcaaaagtt ccattcagca ttacatttgc attactctta tttgcagcaa 240
 atatgagtaa aattataggt ttttaaaggt ctctaataac atccacttat attggttttg 300
 tagataatcc ataaattacc agaaataaat tattccacat ttattacaca cccatgtaat 360
 agatgtcgt 369

<210> 33023
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 33023
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 tcatgactgg cccaactggt ctataggcag tccttaaatt tctaccctaa tgggttatgtc 120
 agatcccacc gttgctttta atattagtta acccaagttt gacagtttcc tttgactgta 180
 ttggggaggaa cagaactcac gccc 204

<210> 33024
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 33024
 aggggtgcccc gcgctgctgt tatggccgcc tccttgaggt agtatccgca catggaattc 60
 tagggccgca ggtgtattta cggtaactgt cgccactaga tttcagcgcc tttggactct 120
 cctgttttca ctttcttttg ttgactcccg tgtggccctc gtgggagcct gttttggctg 180
 cagcgggtgtc tggggtgatg tggaccccg agctggcaat tctgagggga ttccccactg 240
 aggctgagcg gcagcaatgg aaacaggagg gggcgcgcgg ttcagagagt ggatctttcc 300
 tacaattgct gctggaaggg aactatgaa 329

<210> 33025
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 33025
 tatttccagt tattgtaggt tcattcagac ctgcaattaa acaaattatc catgttttga 60
 gaatattgat tttaaacatt aaatgtttac atttctatat agagagaatt cattctctgc 120
 cccctaccac cagatttttag ccttaaaggc aagttattta gttttgctta ttctcataca 180
 ctgaacagtt gtttagcaaa tggct 205

<210> 33026
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 33026

taaacctgca	gcaattttac	tcatatctcc	cacccttcat	attgctagag	gcaatggaca	60
tgtttcaaag	ctttctacta	ttatttgctg	tctttccacc	ttaattgaaa	cgttccatcc	120
ttagcttctc	tggcgccatt	ttctatctgc	ccttaaaaca	actccatc		168

<210> 33027

<211> 413

<212> DNA

<213> Homo sapiens

<400> 33027

caagccgttt	ctctccaaca	tccagccaca	gtctccgctc	ctctccgact	gagtctgggg	60
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ttcaagcagg	aaaacgggat	agaagttctc	acgttgggcc	gcagttccag	gtttttggct	180
tgagggtggg	gttttcahya	gggacctgcc	cttttctgcc	tagaatttct	ctgcctcctg	240
tcccatcag	ttccttatct	ccatcatcct	aaactgggac	agtcttttct	gtkacatgat	300
tgcmracac	tgtataactt	ccttttacag	cacttratca	gaatttggtt	ttagttattg	360
ttattgtcct	tccctcacta	gacaggaaac	tctgtcacag	ggatcgtgtc	tga	413

<210> 33028

<211> 342

<212> DNA

<213> Homo sapiens

<400> 33028

cactggatac	cacaacacaa	caaaagattg	gtggaacgag	aatgcctaca	cgcagccaca	60
ggaatccagt	ttccatggra	accaamagca	gttgcttgcc	tgctcagcaa	gttgraactg	120
aaggagtggc	tccacataaa	agavrrataa	cttgaggact	gtaccatgga	aaactaaatt	180
taaaaaacca	gttataacag	tgtttaattt	agataagttt	gagggaaaat	aatcagtagg	240
caagaggaac	atttttcctg	tagtagctag	agtgccttga	aaaaatgtgt	tggctatgtg	300
aaggaatatt	tcarctaaaa	tggaatggta	tgcttttcac	cc		342

<210> 33029

<211> 141

<212> DNA

<213> Homo sapiens

<400> 33029

tggtgagct	acattttctg	atttgcctac	agtgaacagg	taatggcttg	tgtaaggaaa	60
aataagtaaa	atgaaaggag	ggtgaaaggg	gaagggtatt	tgtaacctat	tccacctgca	120
atgactcttt	tttttttttt	t				141

<210> 33030

<211> 194

<212> DNA

<213> Homo sapiens

<400> 33030

cgttacattg	cctactcact	ctgacctcct	gtctctctct	gataaagacc	cttgtgatta	60
cattggcccc	actcaggtaa	tccaggatag	tctccccatc	ttgagatccc	taacatttgc	120
aaagtccctt	ttgccacata	ccataacact	aatgggttcc	aggaattaga	atgtgaatgt	180
ctttgggagg	ccat					194

<210> 33031

<211> 232
 <212> DNA
 <213> Homo sapiens

<400> 33031
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 ggagtctgtg tctcatgttc agcttgcttg cagcatgcag gactgtgctt tccctttgga 120
 tggaactgaa ctttgtatat ggaacactaa ggatccttct catcagcttc taatcctacg 180
 aggacaccat cagccaatta ctgctatggc ttttggaat aaagtgaagc cc 232

<210> 33032
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 33032
 aatcttgact tagagttgcc ttgtaatgta gcctcccagt gggttctcct tgcccactgc 60
 ctagacacag ccgatttatc aagacaggag agtggcaata gagaaatagt ttaattcacg 120
 cagagctggc tgtatgggag cccggagtgg g 151

<210> 33033
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 33033
 cactcctctt ctttccttta acaaataaac ttttagcact tctgtcttca aggaaaaaca 60
 tttgtttgga attgargggg actcgcagtc cgtttatagt ttgggacrat taataggaaa 120
 atccccagtt gcattcaaat ratagtgttg atgttgaggg cactgactca ttcagcatgt 180
 ctga 184

<210> 33034
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 33034
 acggagtctt gctctgtcac ccaggctgga gtggtgcagt ggcacagtcc cggctcactg 60
 catcctctgc ctctaggtt caggggmttc tcttgccctg gcctcccag tagctgagat 120
 tgcaggcacc 130

<210> 33035
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 33035
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 tctttgcaat atcaaaagat ctgagagcac cagtgcattg gaaatgggga tccaaggatc 120
 aaaaagagga caacttgcta ccttctaatt taagccaaga tttgcttcct ttgtgctttg 180
 cggaggggaaa ggtaatgaag ggtagtgcta agcagacagg ctcttcatgc tttctcttaa 240
 acagggcagc ctttttctaa caccctcatt taataattga gatatgggtg ttcagaaagg 300
 gaaaatgaca tagttaccag agtttctaag ctttgccaac tatgcagttt agtttgagaa 360
 gagatgactc actggtaaag aat 383

<210> 33036
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 33036
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 tagtttctat ctttctcact ttgccctttt ctctcctttc ccataggtaa acaatgtaat 120
 tagcttttga tttatctttc ttttgtgtct gcttttaaaa tgggaattaaa tttgtattgt 180
 tttcttagat aaatgcaggc atactattga cwctgtccag cccctagttt ttttcatttg 240
 ataatatctt ttagcaatta cactataaca ttatatgaaa ttccttacta gcagctattt 300
 cttatctggc atgggattac catcatacca tgggccccaa acctatcttt aggggttgat 360
 tgggttataga aaacttttct ctaccagag cttttggcag a 401

<210> 33037
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 33037
 gaacgggtct acctttcttt gttccttccc cattcttatt ctacatagta cctactgcac 60
 tgtaacttat gggtttgtgg gagaaattcc aggtatctta gaatacagaa tcatataaaa 120
 gagcagtaac tactcatctt gagagtgatt gcatttattt cataggtaag taatcttggc 180
 catagctaata acacttatta ttt 203

<210> 33038
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 33038
 aagaacatta tattttcaaa tgggaataata ataccatcag tgaaataaat gttaaaattt 60
 ttagggcaga gattaatgcc caccagaaaag gtaactttga tgagggtagc aagcatgctt 120
 tcaactgaaa gtattttttt ttctcttttt caagattctc ataattataa cccataaaac 180
 taagttagac ttgtttctta tgtgcattta tgatttaatt aacgagagta cactttgtat 240
 gacaaaatgc aattttaagg taaacactat ggagaataat ttcttttctt agtgaaatgg 300
 tgcacgttat attttatttt gttttatttc tagggataat gacacagc 348

<210> 33039
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 33039
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 cttttccatg tttagtgtt ctttcaggag cttttgtagg gcaggcctgg tggtgacaaa 120
 atctctcagc atttgcctgt ctataaagga ttttatttct ctttcactta tgaagcttag 180
 tttggctgga tattaaattc tgggttgaaa attcttttct ttaagaatgt tgaatattgg 240
 cccccactgt cttctggctt gtagagtttc tgccaagaga tcagctgtta gttagtctga 300
 tgggcttccc tttttgggta acctgacntt tctctctggc tgcccttaac actttttcct 360
 tcatttcaac tttggtgaat ctgacagtta tgtgtcttgg agttgctctt ctcgaggagt 420
 atcttagtgg cgt 433

<210> 33040
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 33040
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 tgaactattc ttgcttagaa tgcccctgaa tttcagtcac agaaattcac ttgtacctgg 120
 gtaagttaca agttcttatt tgtgctggtt tctgttccat tggcaattaa aatttttgga 180
 agttgaataa aagatctttc taaaaagggg ctc 213

<210> 33041
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 33041
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 aggctgccag taaaaatact agatgtggcc ggatgtggta gctcatgcct gtgatcccag 120
 cagtttggga ggacaaggca ggtggattgc ttgaaccag gagtttgaga ccagcctggg 180
 caacacggca aaccccatct ctacaaaaat acaaaaacaa aacacaaaaa ttagccaggt 240
 gtggttggtg gcacctgtag taccagctac ttgggaggtt gaggcaggag gatcacctga 300
 gccacaggag ttaaggctat agtgagctgt gattggggca ctgcactcca gcctgggtaa 360
 ca 362

<210> 33042
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 33042
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 atggagagat cctgttgcat ttataamatt aaaccagaag cgtgtrtcag acagttttct 120
 ctaccttggg gccacaatat ttgaaaacc tagagttata caaataagta attacagatg 180
 gcaaccattt ttttactgct tttatcagcc acatagtggg gaatcactga gaagagatat 240
 tcagaatgct gctaaagcag ctavatcata tgttggtttt agactactat tggmaggaat 300
 ttggtamgtg tgttctcttg ttaacagttc tcttgtatca tatcttaggc tggaatgggt 360
 gcttattcaa tatatga 377

<210> 33043
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 33043
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 tgctcttgga ggtgccatga ggtcagttag ctacgtgcag cgcgtggcgc tggagttcag 120
 cgggagcctc ttccgcacg caatctgcct cgagagacca 159

<210> 33044
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 33044

ctaaagattt	tattatatcc	tttgattttg	gcaactaaaa	atgctacttg	gtaattgtct	60
gagaatatgt	aactgtagaa	accattgaag	ggtgaacact	ccactaccat	ggagttggga	120
atgtatttct	ttgggaaatg	gaaaccatgg	cccatgcctg	cagtggcggg	agcacatctg	180
tgcatttctg	gtggatgtct	gtggtatatg	gctatatgaa	tacacggctg	tgcacgcttt	240
cacaatggga	aaccgggagg	ccaggtagct	ggcagtgttt	gagtgcacagc	tgttcatgac	300
acataacccc	ttaacc					316

<210> 33045

<211> 360

<212> DNA

<213> Homo sapiens

<400> 33045

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gggcahattt	cccccttgct	gttctcatga	tagtgagtga	gttctcatga	gatctggttg	180
tttaaaagtg	tgtagtactt	tccgctttgc	tctcttcccc	tttctgacat	gtgaacacat	240
gcttgctttc	ccttcgcctt	tctgccatga	cagaaagttt	cctgaggcct	cccagccatg	300
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<210> 33046

<211> 247

<212> DNA

<213> Homo sapiens

<400> 33046

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cacaggttta	gaccaaggct	gagaagaaca	gaagggagaa	attaatggcr	aaacaaaaaa	120
tacacaaatc	tgcggttttg	gaattaatga	aacaagattc	atctatttaa	agaaatgttg	180
gtgttcta	ataaagcatt	attttcactt	agagaaaatt	acttacttgc	tcccttctgt	240
attgtaa						247

<210> 33047

<211> 342

<212> DNA

<213> Homo sapiens

<400> 33047

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aaaagaaact	tgtcctaagc	ttatccttcc	acttttgcac	agactttaat	taaggaaaac	180
acctgtcaaa	tgacacaccc	tttaagggaa	agcattagga	ccaagggtgt	attctgtgga	240
attaaatttt	gtatcctttg	gaacattttt	ggaaaagttg	tgtggtggtt	caggatttgt	300
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<210> 33048

<211> 242

<212> DNA

<213> Homo sapiens

<400> 33048

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tggttgagtga	tggtatgtttt	acacacttgc	tttcccagaa	ttcccacctc	tgagatcgt	180
aggtgtggga	gctcagaggg	tggggagtgg	actgtcccca	tcacacagca	agagaggggc	240
ga						242

<210> 33049
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 33049						
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tcaaagccaa	agtgggggt					139

<210> 33050
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 33050						
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ctcaagcagt	ccacCCacct	ttgcctccca	aagtgtgcg	tttacaggca	tgagctactg	120
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<210> 33051
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 33051						
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gtggcctgta	gccccattc	tccacatttg	gaggggtgtg	ggtggcagac	cagggctttg	120
aagcggacct	gcagatttcc	ctcaaatacca	gctaaggcct	gcgctggaag	cagaaactga	180
gttctcttgg	cctgccgcga	ggaaacccgc	gtcctgcccc	cacccaaggt	gggtatctgg	240
gatccctaca	caccgc					256

<210> 33052
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 33052						
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cagtggttcc	cggcacgctc	agggtgcast	gtagggtctg	ratgtgtgta	ttgcgggggt	120
agsgggagt	gtgtcasttc	taggccacag	gaattcgtgg	tctggcccca	gaggtgcggg	180
gtttttggcc	gggaagtmag	gcagaagtct	gcagcgtgca	actcgcagcg	gggcgtgtgt	240
gtgcgtgtgt	gcgcgcgcgt	gtgcatgttt	ccggcccggg	gtcgcgtgtg	tggtgttagm	300
ntgtctccgt	gacaasaasa	tccagggatc	tacgggcsgc	acgtc		345

<210> 33053
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 33053

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tatggctaaa taatattcca tgtgtgaata cgcacatttt gtttatccac atctgggaag	180
gttccactct tggaactaat atggataatg ttgctgtgaa caccatgcag gtttttgcat	240
gaatatacgt tggtatttct cttggatttg ctagctgatt tagcatgttt actaacatgc	300
catttttagtt gtaaccacca ttctttcaca cttgggaact ggttatccct grctcaggat	360
gcctcgtc	368

<210> 33054

<211> 139

<212> DNA

<213> Homo sapiens

<400> 33054

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ggcagtggca ctctggggac agaaggcccc tccccacagc atcactgcca tcatgatcac	120
tgatgaccag cgaacgata	139

<210> 33055

<211> 301

<212> DNA

<213> Homo sapiens

<400> 33055

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aatgtgaatt gctactgttt gacagatttt tgggattcct tctgttttgt gcagtcctta	120
ataatatcgt gctgcaaggc tgtgaataat ttacaaactg gatatttcct atttcaataa	180
ttgagtgtta tctcttctgt atgatttagt gtccagatga atttaattta aaataaatgg	240
atttaaatga caatgtaaat tagtagtcaa aaaaccatt taattctttt cccccactgt	300
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<210> 33056

<211> 159

<212> DNA

<213> Homo sapiens

<400> 33056

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ggttttctgg atataagatc atgtcattgg ccagctgcg	159

<210> 33057

<211> 260

<212> DNA

<213> Homo sapiens

<400> 33057

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gtacctctct ggctgcaaaa ttgccagggc cttcacagtt tgattccatt tctcagctcc	120
aagcattagg taaaccacc aagcaatcct agcctgtgat ggcgtttgac gtcagctgct	180
tcttttgggt ggtgctgttt tctgccggct gtaaagtcac cacctcctgg gatcagatgt	240
gcattgagaa agaagccaca	260

<210> 33058
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 33058
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 gaagttttgt acattttaat ttttattggg aaacaggggtt atatatattt tttccttggtg 180
 gagacaggct cttgctgtgt tgccctggct ggtcttaaat gcctcacctc aagcgatttt 240
 gccttggcct cccaaagtgc tgagtgtatg ggtgtgagcc accacacctg tctagagtta 300
 taatttcagt cttggaatta ttttctaaag agggtagaca agagcataac agggataaat 360
 aatgtaatag gcaacactga ttgattattc a 391

<210> 33059
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 33059
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 agtcccttgt ggagccttct gaccggcttg atctgaacag gttaccccct gcacctgaag 180
 catcacggtc agcctgggct attttttttt ttga 214

<210> 33060
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 33060
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 cacacacaac atacga 76

<210> 33061
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 33061
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 agtggccttg ctttcttggt gattcttggt ttaaataatta ttgagcttaa atagtagttg 180
 atgttttact gagaagtgtg ctctgtgatg gtgagatggt tgaactgtag gagtgtggga 240
 gaagtgggat ccttaacaga gggaacacta rttattattt gctttctgtc atctggaagg 300
 tatt 304

<210> 33062
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 33062
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aaccatagcg gcgagcgtgg ggcggagtgt ggctcggtag tcctctgcgt gccctcctgg 120
gagctgggtg ctgtgagtcc t 141

<210> 33063
<211> 238
<212> DNA
<213> Homo sapiens

<400> 33063
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ccggccttgc cgtttgaaga cctggatcct tgcctctgat gagccaccac atatgggaat 120
ggccttggga aaccacagtg attgttctca gcctgcttct tcgtctgagc agatgaagac 180
gtcatttttt cttatccagt ttgaggatcc arttagatac tgcatatgaa tgcccact 238

<210> 33064
<211> 366
<212> DNA
<213> Homo sapiens

<400> 33064
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atcccatcta tgaactaagg atttaaaaag caggttttct ccctaagtt ttcttcacct 120
ttctgccagc ttcattgctgt taccattctg gggtagagca agtgccacaa gatgaaagca 180
agcttggtgc atgaatccca catgcaacag tgccactcac caccagttac atacactcat 240
gaccgattgt tttacahtaa caagaagtac atttctttag tatttgatcc attatgtatt 300
tttagagttc tttttcatag tagttgagct actctatcac atgtcaagaa cagwaggctc 360
tgtcaa 366

<210> 33065
<211> 229
<212> DNA
<213> Homo sapiens

<400> 33065
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agccagtacc aacgtatgct gagcacgctg tctcaatgtg aattttcaaa tgggcaaaac 120
tttactagta tatgatatga atctcagaga aatggmavat tatgamaaaa tttacaagga 180
aatagratgt agcmtagctg gagcacatga aaaaattgct gaggcgaaa 229

<210> 33066
<211> 168
<212> DNA
<213> Homo sapiens

<400> 33066
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kagcgaggag gcttccccgt aagggcgggc ttcgagggtc gcgtttggaa ggccttacga 120
ggggcccgtt ggaagggcgg tgaagggcgg gctaatacggg aggcggct 168

<210> 33067
<211> 137
<212> DNA
<213> Homo sapiens

<400> 33067
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 acagtactgt gcaggtcaaa tgacctaaa tatatgaaag ttcattgtaa actgtaaaat 120
 gcaatgcaaa aaccaca 137

<210> 33068
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 33068
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 ctccctctccc cacacctttc tggctccagg agtccttgga aacctctaaa agacccagag 120
 gtccttgtgc catcccacga cttggcctcc atctgcacct cacctgacag cccagatttc 180
 tcaactgagc ccgcccacca ctgtgactgc ctctggcata cagataccct ccgacctgct 240
 ccagcagtaa caatgataac ccccta 266

<210> 33069
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 33069
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 caccaccaaa svgatgatgg gttgtgggga gtcagagctg aagtcggcgg acggggaaga 120
 agccgcggcg gtcccggggc ccccccgga gccccaagty ccgcaactyc gagcccc 177

<210> 33070
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 33070
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 cagagtcttg ctctgtcacc caggetggag tgcagtggca caatcttggc tcactttaat 120
 ctctgcctcc tggattcaag ccattcttct gcctcagcct cccaagtagc tgggactaca 180
 ggtgccacc accatgcccg gctagttttt tttttttt 219

<210> 33071
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 33071
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 aacctaataca ccagaagtaa tccatgtcac agaattgaaa tctaatactc ctgttttctc 120
 tgcattctgc tgcgtgtacc tattgccctg agaatagtac cccatatcta gtagccccc 180
 ataaatatat atcaaatgaa ttactatgta tttcaaaaag gaatttttga aatacatatg 240
 cttaanatgt gaagagttcc cagaattcta atactacaga tttggtacgg attgttcagt 300
 accaaattc 309

<210> 33072
 <211> 70
 <212> DNA

<213> Homo sapiens

<400> 33072

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aatctgctgc						70

<210> 33073

<211> 193

<212> DNA

<213> Homo sapiens

<400> 33073

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aatagttttg	aatataaaat	gtctacaact	tggttttggt	ttcttgtagg	agcatatcat		120
gtctgacatg	tgatgggaga	atccattcac	atttaatt	acaactgata	taccgaactt		180
ttttccacca	gca						193

<210> 33074

<211> 259

<212> DNA

<213> Homo sapiens

<400> 33074

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gtttttgttc	tgtttrtgga	gggttccttg	agaatttggc	cctttccctg	ttttataagg	180
ggacaaataa	agatgagata	gggaagtggg	ggtaggcatt	gcctttgttc	atgggacctt	240
gctgatctgc	ggggggctg					259

<210> 33075

<211> 262

<212> DNA

<213> Homo sapiens

<400> 33075

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cattttgaac	aactaagtag	tacgagtaaa	ccccccaagg	actgagctcc	gcttgatctt	180
acagtcctcc	atgaactctg	ccagagtact	gatgcagcht	cacaggagat	actatttaga	240
taagattgtc	catggcaagg	ag				262

<210> 33076

<211> 485

<212> DNA

<213> Homo sapiens

<400> 33076

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gcagcatgga	ggtacctgat	gccaccaatt	cctgagtttt	tctgctgttc	agtggagtgg	180
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004220-6557560

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tacca 485

<210> 33077
<211> 211
<212> DNA
<213> Homo sapiens

<400> 33077
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aagtgggaaa tttatagcac taaatgccca catcaaaaag ctagagagat ctcaagttaa 120
caacctaaca tctcaactaa aagaactgga aatgaagag caaataaacc ccaaagctag 180
caaaagatca agaaataacc aagaatagag c 211

<210> 33078
<211> 221
<212> DNA
<213> Homo sapiens

<400> 33078
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tgatccaact gcctcggctt cccaaagtgc tgggattaca ggcgtgaacc actgcacccg 120
gcttttctgg ggggcttttg ggggcttttc agaactata ggctgtctt yctttagtagca 180
gaaaacttac ccaacagatg ctgtttagag agaatgcctt a 221

<210> 33079
<211> 133
<212> DNA
<213> Homo sapiens

<400> 33079
gaatctcgct ctgtcgccca ggctggagtg cagtggagca atcttggtc actgcaagct 60
ccacctccg ggttcacgcc atttctctgc ctcagmctc cccagggagc tgggmctaca 120
kcgcacacc acc 133

<210> 33080
<211> 131
<212> DNA
<213> Homo sapiens

<400> 33080
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gacagctcaa aatactacc ctttctccgc gcaagatctg gggcgctgg ggacagaaag 120
gccaaagaca g 131

<210> 33081
<211> 413
<212> DNA
<213> Homo sapiens

<400> 33081
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gcctcagcct cctgagtaga tgggactgta ggcacctgcc actatgcctg gctaattttt 180

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tcgtgatctg	ccgccttng	cctatcaaag	tggtgggatt	acaggcttga	gccaccgcac	300
cggccgaga	atatgtgttg	ttatttatga	ctggattats	hagaatcagg	agaatgcatt	360
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<210> 33082
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 33082						
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gctgaacaga	ctatgtctgg	ggaaagaacg	gattatgccc	cattaaataa	gaagttgtgt	120
tcaagagtca	gagcagtgag	ctcagaggcc	cttctcactg	agacagcaac	atttaaacca	180
aaccagagga	agtatttgtg	gaactcactg	cctcagtttg	ggtaaaggat	gagcagacaa	240
gtcaactaaa	gaaaaaagaa	aagcaaggag	gagggttgag	caatctagag	catggagttt	300
gttaagtgtc	ctctggattt	gagttgaaga	gcatccattt	gagttgaagg	ccacagggca	360
caatgagctc	tcccttctac	caccagaaaag	tccctgggtca	ggtctcaggt	agtgcggtgt	420
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<210> 33083
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 33083						
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atgttgacca	ggatggagct	gggccttgga	gagtggggaa	ggcaggcagt	aacacagcag	120
gctg						124

<210> 33084
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 33084						
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ggtgatttct	tcatttgata	tggtgatata	ctttagtgtc	ttgtgcctgc	aaatttcaag	120
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<210> 33085
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 33085						
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<210> 33086
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 33086
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 atttagaaga agatataata aatataatgt ttttktgttt kttgagrcga agtctcgctc 120
 tgtcacccaa gcgr 135

<210> 33087
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 33087
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 ccaaattggct gcgctcccat ggaaagacag agggcgctca gccaccttac cagggtgaac 120
 accaccctgt gccgtggaca tcgcatctta ggaatgagga agcaaatttg gaaaagtaaa 180
 tgacctacat cagacagcat ggtcacgaag kcggttaaat tcccacatgc aactcc 236

<210> 33088
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 33088
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 ttttaattaac atatagctta cagatctata caagatgtga ttgtatttag agcatttgaa 180
 gtactctttt tctaattata tgaaaagcat ataatttctg cctttttatt cttaactca 240
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<210> 33089
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 33089
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 tgggtgtagca gagcaggatc ccagctccag ctactgctc tccctggtcc ggggggtagg 180
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 cctgggccta gcctgtgtgg acagggtttg cgctaagagg ctggattctt ccatgagttt 300
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 tagaggtact gggacattga attctagctg agaggggtgag g 401

<210> 33090
 <211> 464
 <212> DNA
 <213> Homo sapiens

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 tcatatgaac agctagtdaa taacagcaga gttctcactc agtgctcagt acttaatttt 180
 ccactgcacc acaactgtct taactaaatg tgctgtattt ttcttttaaaa gtttaagagtt 240
 ctatttggtg ttttcaggha tatacgtgaa aagacatgcc atgttttggt aaataccatc 300

agagttgtgt aaaggcgtgt actaagtgca atcttaattt gtggaaataa tcttcattta 360
 cccctcctaa aactacactc agtataacac tttcccataa aggtgtgtgc agwaaaaatg 420
 twatattact ccaacactgg caggagcaca gcacagcagc cttta 464

<210> 33091
 <211> 338
 <212> DNA
 <213> Homo sapiens

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 tgatagtctt ttgggagagg gaggagctct ttattgaaag taaggtttta attttcatgc 180
 tattgacatg catagtctat tctggattct ttgggaaggt atgtatatca agaaagtgga 240
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 acatggagac aggtctgaga gcctccccag ggtaggac 338

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 <212> DNA
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 ttgttttgtt ttttttagac agagtctcac tctgtcccc aggctggagt gcggtggtgc 180
 aatctcagct cactgcaacg tctgcctccc gggttgaagt gattctcctg cctcagcctc 240
 cctt 244

<210> 33093
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 33093
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 tctaagggtta agaaggacat ctatttaaag tccaaagttg gccagggtgca gtggcttggc 120
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 gttttccagg tgtccctcg tcccagccac ctcccacaga gctgcatggc caacctgggt 360
 ctgggcacag gga 373

<210> 33094
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 33094
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 <211> 418

<212> DNA
<213> Homo sapiens

<400> 33095
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tgggccgaac caggtcttct ccggtttttc ctcataacca tcacagtgcc aggtgtatag 180
ttaagagttg ataaatatat nnnttcccac agtggttgct gaggttaacca aagatgcaga 240
tcctcctaga taccaggcat tgttcagtgc tgtggtgact agaaacctta gtaagataca 300
acccttcttt ttgagtcata cttttatttc tgtatgaagt tgaaaccag gagcctaaat 360
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<210> 33096
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<212> DNA
<213> Homo sapiens

<400> 33096
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ggaaaactaa cggttgtgtc cagttcataa aatgtttgtg gcaaat 166

<210> 33097
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<212> DNA
<213> Homo sapiens

<400> 33097
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tatttacttt gtttcatata agttaatgaa aaaaatctta catttgtyaa rctwatrata 120
ccccacgraa atcagattgt tttatttagg ataacagggt tatatattca ttccatttgt 180
cttataatttc ttattaattt aacaaaggta atttgacaga atatgtgcc tttctgtgaa 240
atcctctttc ttccactagc taacattttt tccataatat ctgcatttag cacctctgac 300
ccacacatac ttagatatat actcctaccc 330

<210> 33098
<211> 70
<212> DNA
<213> Homo sapiens

<400> 33098
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acacacacac 70

<210> 33099
<211> 206
<212> DNA
<213> Homo sapiens

<400> 33099
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ggaaagaaaag ctgagaacct tgagaccgga gtgtgagggg ccaacgggga agggcgctag 180
aattttaaac taaagtaggg acccga 206

<210> 33100
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 33100
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 ttctgttttc aaaaaacatg gccga 145

<210> 33101
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 33101
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 gatttacccc cagatacagc tggctgaaat aacatcagag aagcacaaaa tccacgagca 180
 cctgaaaacc tctgcggaac agcaccagcg tacgctaagt gcataccagc agagagtgac 240
 agcactacag gaagagtgcc gtgctgccaa gggaacatct ggaaatgctg attgaccagc 300
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<210> 33102
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 33102
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 aatgtacatt aacttattta tgcctagtgt tccattaatg gracsgctaa gcactctggga 120
 gttctttata tctactgctc aaggctcatg ccaaggctg atttttcacc ctcaaaaaat 180
 tgcaacctta gacataaata caggagtctt ta 212

<210> 33103
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 33103
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<210> 33104
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 33104
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 gtcactcttc ttctttttcc tgtaagtagg ttcccaaat tgtataagct tcagggttcc 180
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actgtagtca ccagcatcct gggagtgtga tttataggtg gagggacttg gtgctcttga 300
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<210> 33105
<211> 129
<212> DNA
<213> Homo sapiens

<400> 33105
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tgaagtcatt taaattttat tttctagtga attgtttctt catatatgaa gtcttttgct 120
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<210> 33106
<211> 335
<212> DNA
<213> Homo sapiens

<400> 33106
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aagttagaaa agatcttttg tattacaagt tgaggagcta aaacttaagc tgtaagcag 180
tatagcagta tatagtacct ggatgattaa aagcacaagc tctggagtca gactgcctgg 240
gtttgaatcc tagctctact acttaatacc ttcttgccat ggacaagata cttaacatct 300
ccaagcctta attttcttat ctgtaaagta gagct 335

<210> 33107
<211> 290
<212> DNA
<213> Homo sapiens

<400> 33107
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gcatagaagg ttacatctat ttccaggcat ttctctctcc attccacaat aggaaaccag 120
atttctatca acatagatta gttttccttg ctcttgaaact tgatacaaat ggaatcatgc 180
aaatggactc ttttgtgtgt ggctttcttc actgagcata atgtcaatga mmttcatcca 240
tgttgtgtgt tttatgagta cttcgtagac ttttatccct gagtactact 290

<210> 33108
<211> 241
<212> DNA
<213> Homo sapiens

<400> 33108
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accttagacc cagaggtaat ctctatcaac cggggtcctg aattaaactt tcttcatcct 120
gttgattgcc cttggttttc agcagagttt gcacaaagag aaatcaacac acccaggata 180
gcatgcctta gtactccaaa cagattctga gaagcataag ggtcaaccat aaacacacaa 240
a 241

<210> 33109
<211> 271
<212> DNA
<213> Homo sapiens

<400> 33109
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taaggccagt tatgctctag ttttaaatctg gaatgaactt gtgttcttgt ttgagacact 120
cttcctagtg ggtgcgcat tatgggagat tgtatctatc tatataatct tctgtaattt 180
agcatagaga agaaaactgg gtgatgagtt gccagctaatt ttatataaat gagatatggg 240
aaaagatcta accccttcct aaatcccccg a 271

<210> 33110
<211> 179
<212> DNA
<213> Homo sapiens

<400> 33110
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catatttcac caataaaggt aggatagtat ctatttatta ttgttatgaa ttacatatta 120
cttttgttat acatatagct catgctcgga gagaagtatt ctttcatgta ggttcgccc 179

<210> 33111
<211> 277
<212> DNA
<213> Homo sapiens

<400> 33111
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ctctaggagc cccagggcca cctgttctt tcttgcaagg ttacttgctg ccctgacccc 120
tctgaggggc aggcagggag gggagaggca ctggggaaac tgcaggggga tgtggttggtg 180
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<210> 33112
<211> 398
<212> DNA
<213> Homo sapiens

<400> 33112
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agcctgaagc ctccaagttc tgtagttcag gaaccttgctc tgttgtagca gggataaaac 120
ccacaagaac atggatacag aacagttttg gaatgaacat tgccagtgtc acaattgcac 180
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cccatgtggt gcaatgcaaa ctgctgtaat tcaagaga 398

<210> 33113
<211> 352
<212> DNA
<213> Homo sapiens

<400> 33113
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gaggggggtgc cggcaccatg ggattgagcg cccgctacgg accccagttc accctgcagc 120
acgtgcccga ctaccgccag aatgtctaca tcccaggcag caatgccaca ctgaccaacg 180
cagctggcaa gcgggatggc aaggccccag caggtggcaa tggcaacaag aagaagtcgg 240

gcaagaagga gaagaagtaa catggaggcc aggccaagag ccacagggcg gcctctcccc 300
aaccagccca gcttctcctt acctgcaccc aggcctcaga gtttcagggc tt 352

<210> 33114
<211> 366
<212> DNA
<213> Homo sapiens

<400> 33114
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ggacgctgaa ggcggtgcgg gcggccagac aggcggtga cttcgctctg aaggtggaag 120
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tcccagagtgt ggctgtggaa gccagtgggg gcatcaccct ggacaacctc ccccagttct 300
gcgggccgca catagacgtc atctccatgg ggatgctgac ccaggcggcc ccagcccttg 360
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<210> 33115
<211> 148
<212> DNA
<213> Homo sapiens

<400> 33115
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ccatggaggt gaaagtgaga ttcatgagc cacttattaa tacttgtcct ctatagaaac 120
cctaaagata gttaaaatag ccaacgct 148

<210> 33116
<211> 136
<212> DNA
<213> Homo sapiens

<400> 33116
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tgcagctgcc ggcaaccaca ggttccaaga tggtttgcg gggcttcgag tgttccaaga 120
actgcctgtg cgcca 136

<210> 33117
<211> 373
<212> DNA
<213> Homo sapiens

<400> 33117
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attttgggag gctaaggcga gtggatcacc tgaggtcagg agttcgggac cagactggcc 180
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gcctgtagtc ccagctgctt gggaggctgg ggcagggaga attgcttgag cccgggaggc 300
acaggttgag gtgagccggg attgcgccat tgcactccag cctgggtggc tgtataaaag 360
cctgtataaa att 373

<210> 33118
<211> 365
<212> DNA

<213> Homo sapiens

<400> 33118

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gtaagtactc	aaaaagtggt	gaaaatgaac	tcttttagggc	tctgatctct	ttgatacatc	180
tattttatta	tatgggtctat	aaagattcat	ttaaatattt	taacatctta	atcttattta	240
aaatataatt	cttatcaatg	atagcatgta	ttactgttac	accttggatc	agggagaacc	300
atacaaaccg	cactgaggag	aagaaaggat	tctggggcaa	atatggtctc	atcccaaccc	360
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<210> 33119

<211> 196

<212> DNA

<213> Homo sapiens

<400> 33119

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tgtgatactt	aattttttaca	tatcccagtc	tctgtatgta	tctgcataga	caaagaaaaa	180
acaaactcct	gcctgc					196

<210> 33120

<211> 156

<212> DNA

<213> Homo sapiens

<400> 33120

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accagttggg	gttggtttct	aatactaatt	aataawtwag	ccttgaagcc	tgatcaatct	120
tcttatatcc	attatcagat	tttwtctctc	aaatct			156

<210> 33121

<211> 74

<212> DNA

<213> Homo sapiens

<400> 33121

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<210> 33122

<211> 316

<212> DNA

<213> Homo sapiens

<400> 33122

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tctccttggc	ttckctccac	scgcttgcy	tcttctctag	tctttccctg	gccctggcat	180
tagtctcctt	accctgtgcc	ctgtcccaat	gtgtgcccg	gctttgctcc	ttgcgtgcag	240
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<210> 33123
 <211> 80
 <212> DNA
 <213> Homo sapiens

<400> 33123
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 gggtcggggcg ggaggacggc 80

<210> 33124
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 33124
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 aacatgcatt ttttatttat aaagcatgac ttgttcattg tcaattcatg ttagcttaat 120
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 acgagcactc ctaatatattc atgtgctcat ccaattgact 340

<210> 33125
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 33125
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 cttatttccc tttcttatac acacctgaat aaaattgatg tgcattgttt agggatcaat 180
 tacctaactg ttcttgggtc tatttatgta taagaatgct ttttaaagca catgtctcat 240
 tttaaatgac gcacaaactg aagatgttaa tcnaatttaa gagtaatata atgaaaaaa 299

<210> 33126
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 33126
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 ttggcctccc aaagtgtggt gattacagat gtgagccact gttgc 105

<210> 33127
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 33127
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 ctgcctcagc ctcccaagta gctgggatta cagatgcgcy ccaccacgcc tggcaaattt 180
 tttgtatctt tagtagagac agggttttac catgttggcc aggctagtct cttaactcct 240
 gatctcatga tctaccgcc ttagectccc aaagtcctgg gtttacaggc gtgagccacc 300

gcaccggccc ttgagttttg agaggagcag gagtagaggg atctcatttc ttgacttacc 360
 aaacaagaac cagcttttcta tcttgctagc ttctataagg martaaatgt gagagttagg 420
 catatatttg cactatatta aaagctattt 450

<210> 33128
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 33128
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 ttttgccattg gtgcagataa tatgtacact gagaggcatg gttttttccg tatctagccc 180
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 caggggtccca tgagagtctg gagagtgatt tgaatgtcgc aggcagagca ggaggaagca 300
 tggccgcata ggaaggctctc aggccatgct tcctctctca tatagggggg cctgttatct 360
 ttgctccgaa catactattt tcatgccatg aagttcttgt acattttatt tctacctctt 420
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 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 33129
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 tttctctcct tcatagcttt tcttttctcg gacttgctcc ttttgagttg cttttgcgtt 180
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 tatatagttt cactttgtat aaaagtttag acct 274

<210> 33130
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 33130
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 ttgaccttgt gacaatacac cttccccacc cttgagaagg tgctttgtaa tattctcccc 180
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<210> 33131
 <211> 269
 <212> DNA
 <213> Homo sapiens

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 acattacttc tcagggaac cagtgtctaat gaagttttgt gttactgttg gcctattatg 180
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 cgcctccgca tcsnnngatg ggtctcctrc ctcagggaca ggatctccac acccttgaag 180
 gtgaagccct gcatgtctgc aaaaatcttc tgcatctgaa acaccaagga tccctgggct 240
 cacgtccgaa cctgcagacc tgaggggacc cagacgcccc accccagctc caggggaagac 300
 ccttcaattc cctccccg cggggtgccg tggctcgcgc ctgtaatccc aacactttgg 360
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 catagtgtgt gtgaccccat tggtcaccag agcaactgca tgtcttcagg ctgggtatta 180
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<210> 33135
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 <212> DNA
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 gtggatgtgc caagggtcca accccatat tctcagact cttctattgt cattctttag 180
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 agggtttagt atctaccaa agtacttgac ctcaagtaac caatagtaat gcaaacttgc 240
 tttaaaggaa ccaaaggcat tgccaagtat ttgccaaaag gaggcacttt ttatttataa 300
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 <212> DNA
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 gtgctcctgt attgggtgca tatatatatta ggatagtyag ctcttcttgt tgaattaatc 180
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 <212> DNA
 <213> Homo sapiens

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actccctcct ggggagagag ctgggcagag acttggggcg ggcagtgagg tggggatagg 180
tgagcagcac tcgtggtgag tggccccagt gtgatttagg aggggtgcag tgtgggatcc 240
cagggca 247

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<211> 51
<212> DNA
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<210> 33144
<211> 142
<212> DNA
<213> Homo sapiens

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<211> 297
<212> DNA
<213> Homo sapiens

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agttataaag gtagttcagt gaacattgtt cacctagggtg tattctgttt tttgttacta 240
ttcttggttg taaagtccat cagagttgag attttggtaa cagttttatg gggatga 297

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<212> DNA
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 tgcagtaagc atgattgtgc cactgcacta cagcctgggt gacagagtga gaccattatc 180
 tcacacacac acacacacac acacactgt 209

<210> 33147
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 <212> DNA
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 ttttaaactc tgcagggg 258

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 <211> 173
 <212> DNA
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<400> 33148
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 <211> 240
 <212> DNA
 <213> Homo sapiens

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 gtgagatggt gaactgaatg gtcttgctgc tcttctctcc ttcattaaca tgagaacaga 180
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 <211> 139
 <212> DNA
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<400> 33150
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 aggtggatgt agaagcgggc tccggcgctc cactctccct tccatatggg cttagcgtct 120
 gggtcactga gaacgacta 139

<210> 33151
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 33151
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004220" 5555555555

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ataccttatg	gtcaaaatgg	gaagttttca	ggcatcattt	tatttattca	tttttccagc	180
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cccacagtgg	tgcccggcca	gttcttcatt	tttaaaacta	tttttttttc	tcttggttcct	120
tgtgttttgg	gtgtcatacc	tatgaaatca	ttgcttagtc	caaggtcaag	agatttatcc	180
ctatgttttc	ttttaagagt	attatagttt	tagattttgt	atttaggtct	gtcaaccatt	240
tcggggttaac	ttttgtgtag	tatgaggtaa	ggtacaactt	cattcttttg	caggtaatat	300
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 <212> DNA
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gctgcatgct	ttcactttta	ttagtactta	cagccaaaga	gatgggcaaa	tgtctagaaa	180
aattaatgtt	ttgattcagg	aatttgtgcc	tagtgatggc	ctccaataga	gaattttcca	240
gagagaatga	agactcagtt	tctaagttgg	ggcaaattta	gtttttgttt	tggtattcct	300
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ggagcctgag	cccctcttgg	taatagcagt	aatgtggcta	tgtaaggat	gctgctcagt	240
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tcacttttaa	atttagatga	aatgattttg	ctttttgtta	gaaccagcct	gtctagcaga	360
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 <212> DNA
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gtggcygnvt	tcaatcttct	cctgctggtg	ctggtgctag	ggaccatctt	gctacccgct	180
gtcaccatgc	tgggcttcgg	cttccctctgc	cactcttagg	acttgaagcc	cggcatcttc	240

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gca 303

<210> 33156
<211> 73
<212> DNA
<213> Homo sapiens

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ttttttttt ttt 73

<210> 33157
<211> 136
<212> DNA
<213> Homo sapiens

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gacgggcccc agaggacca cgcctgagcc ccgtgcgact cgtggccttt gggctagaag 120
ccatggacgc cttcct 136

<210> 33158
<211> 272
<212> DNA
<213> Homo sapiens

<400> 33158
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atgaaggagg gtctgttagga aactggaatt gctgttctgt ggggagccag gcatccatgc 180
agaggcagaa actccagaac catttagctt taaccactcc cattcttgtt attagtactc 240
tggtcacact gtgatgcat gatgaccac ca 272

<210> 33159
<211> 186
<212> DNA
<213> Homo sapiens

<400> 33159
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gttaag 186

<210> 33160
<211> 55
<212> DNA
<213> Homo sapiens

<400> 33160
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<210> 33161

<211> 169
 <212> DNA
 <213> Homo sapiens

<400> 33161
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 atgattaaat tcitttagtg taatttgtga gattctgggt caccatac 169

<210> 33162
 <211> 232
 <212> DNA
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<400> 33162
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 atgtcttagg aaatggaatg atgaagtgc atggtcawtk attgtkabgt atttctcatc 120
 gttttacnns tgagaaaact aatttcatgg tattctgaag actagagatg attcaacaag 180
 tgacagaagc tgcagactta actgaggcct ctctgtctct cttttttttt tt 232

<210> 33163
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 33163
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 acagatatgc ttactctagt taaaaagara atwaattctc atgtcagacc cagaaat 117

<210> 33164
 <211> 136
 <212> DNA
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<400> 33164
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 gcaggagaat ggtgtgaacc tgtgagggtg agcttgcagt gagccaagat cgcgccattg 120
 cactccaacc tggaca 136

<210> 33165
 <211> 209
 <212> DNA
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<400> 33165
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 attctagaca atttattatt ctttctatct aactgtaagt atatgtcctt tgaccaacat 180
 ctcccccatc cttctctttc ccctaactc 209

<210> 33166
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 33166

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aagcatcgtc cccagcgccg ggaccaggag aagggggccg ccaggcaggg aggacagcgg	180
ttcccgagga aggtttcgga gagtgaaga gaccggaggg gaggcggctg atgtccacgc	240
ccgagccaag actctcaaat ccactt	267

<210> 33167

<211> 183

<212> DNA

<213> Homo sapiens

<400> 33167

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gcttattcct gatgtatact ctgagaccag ctcttacctt ctgagtggca gctaccctc	180
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<211> 331

<212> DNA

<213> Homo sapiens

<400> 33168

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<210> 33169

<211> 71

<212> DNA

<213> Homo sapiens

<400> 33169

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<210> 33170

<211> 196

<212> DNA

<213> Homo sapiens

<400> 33170

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cagtgtagtt tggtgtttta aataatgtaa tcatcaaaat gatgcatatt gttacactac	180
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<210> 33171

<211> 169

<212> DNA

<213> Homo sapiens

<400> 33171

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gaaaatgggg gactgctctt tttcctaaca aaacttgtag aaccaattga ctagaagcat	120
attcaagama aatatcaatg amaggmggga aaaatgatac agtgggcaa	169

<210> 33172

<211> 61

<212> DNA

<213> Homo sapiens

<400> 33172

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<210> 33173

<211> 207

<212> DNA

<213> Homo sapiens

<400> 33173

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cttggtttac gaattatttt gccacccagg taatacacat catacctgac acgtagattt	180
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<210> 33174

<211> 152

<212> DNA

<213> Homo sapiens

<400> 33174

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<210> 33175

<211> 226

<212> DNA

<213> Homo sapiens

<400> 33175

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cccagccccg cacagaggct catggagctc gaagcacgca gggctggcct ctccagagct	180
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<210> 33176

<211> 299

<212> DNA

<213> Homo sapiens

<400> 33176

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gcaatcagat	atgcatttgc	cttagatgag	cagacagatg	actttgagtt	ctcttctttg	180
ttccgcatct	gtgaagataa	gccatcactt	tacatcacca	aagtgaaatt	cagcagaatt	240
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<210> 33177

<211> 130

<212> DNA

<213> Homo sapiens

<400> 33177

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<210> 33178

<211> 326

<212> DNA

<213> Homo sapiens

<400> 33178

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tcacgtcaaa	ctatactaca	gggtacagt	aaccacagcc	acctggtact	ggtacaaaga	180
gacacacaga	ccaatgacac	aggataaaga	gccagamat	aagcctgcac	gcctatmacc	240
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<210> 33179

<211> 452

<212> DNA

<213> Homo sapiens

<400> 33179

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<210> 33180

<211> 77

<212> DNA

<213> Homo sapiens

<400> 33180

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<211> 306
<212> DNA
<213> Homo sapiens

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ggacaacata gtgagactcc atttctctaa aaaaraattt aaaaattggc tgggtgtggg 180
ggcgcatgcc tgtggttcct attactctgg tggagactag agcaggagga tggctggagc 240
tcagaagttc gagtctycag tgagctgtgt tcataccact gcactccagc ctggatggca 300
gagcaa 306

<210> 33182
<211> 113
<212> DNA
<213> Homo sapiens

<400> 33182
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gtaataatat aaatgttttag taatagctar actkktkgct tgtgtgggtc aaa 113

<210> 33183
<211> 263
<212> DNA
<213> Homo sapiens

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aaagcggtag aaatcagaca gaaatcatga racagcactt ccatgactta aggtgggaac 120
cacagaacgg gtattaagca agggccccga ggccaagagg actggatttg gattccagct 180
ccaccacttt gctgactgtg tgatctcagg gaagtcattg agccagtctg agctcggctg 240
gttgaacgta aaatggagag gga 263

<210> 33184
<211> 259
<212> DNA
<213> Homo sapiens

<400> 33184
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aactccaaga ctcaaagat cctcctgscg tggcctcgca aagtgccttg attacagggtg 120
taagccacca cacctggccc ttctctctc cattccaaca gtgaaaatcg tggctcccat 180
catttcccag ccatttactt atgtggtcag ttccagtaca tatgtggagc attatcaggg 240
ttttgataac ctggacccc 259

<210> 33185
<211> 71
<212> DNA
<213> Homo sapiens

<400> 33185
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tcatttctat a 71

<210> 33186
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 33186
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 caccatttat tgaagagaca gtccttttgc cagtktatgt tcttggcaac tttgttgaaa 120
 atgcatttac tgtagatgta tggattcatt attgggttat ctattctgtt ccattgttct 180
 gtgtgtctgt ttttatgcca gtaccatgcc t 211

<210> 33187
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 33187
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 gagagaggtc cgatgtgaag atgtgcacac agatgtctgg aaaataagcc cagaaaaaat 120
 agtcttcata acccatatag gggaaagtgg aaaaaaactt gggcagagtt ctaacgtgg 180
 gtgtcatcac aagacacatg ccagrgagaa gccctaccag tgtaaagaat gtaggccagg 240
 cgcagtggca tcccagcact ttgggaggtc aaggcagggt gatcacgagg tcaggagatc 300
 gaaaccaccc tggctaacac ggt 323

<210> 33188
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 33188
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<210> 33189
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 33189
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 kcagctgttt cctatacat 79

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 <211> 73
 <212> DNA
 <213> Homo sapiens

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 gcgtccgcag ctc 73

<210> 33191
 <211> 256

<212> DNA
<213> Homo sapiens

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tcagcagcga ctaaggggaat tccattggaa tttgccgggc gtgctctcac cccgcacggc 120
acccgcgccc tcagtcctcg gatcccatca cttcagcccg aagattgcaa ctttgagag 180
acgaagaaat agcatggcat gaaacatggc tcagttctat tacaaaagaa atgttaatgc 240
tccttataga gaccac 256

<210> 33192
<211> 172
<212> DNA
<213> Homo sapiens

<400> 33192
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taataggata gttttgtcca raaacccttc agatccacgg ttcagtctga gccatccagc 120
catagcaata aagtaaaaat taccacatgg tacaaatgtg tcaccgtcaa gc 172

<210> 33193
<211> 176
<212> DNA
<213> Homo sapiens

<400> 33193
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catacttctg atgcttaaac caaatcttac aaaagcactg taaataaagg attttgttgt 120
gttttgttat ttaatgaaag ggagttgccg actctcccca tagatgtcaa gcgcac 176

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<211> 116
<212> DNA
<213> Homo sapiens

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ctcttggtct ctgtagtgat gtttctagat agatgcccac tgatatatgc ccccca 116

<210> 33195
<211> 283
<212> DNA
<213> Homo sapiens

<400> 33195
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attctggaag ctccctagaa tctcctggaa tgcttaatgg accttccag caccgaaatt 180
caagaattat gactcatcgg tcagcagaaa agaccctgct gggatctttg agcttgtgga 240
ggtggtcggc aatggaacct acggacaggt gtacaagggt agg 283

<210> 33196
<211> 132
<212> DNA

<213> Homo sapiens

<400> 33196

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taaggtcaca	tttaattaag	ttgtttattt	ttkacttatt	tttattaaag	gcaaagggaa	120
acagttggaa	ga					132

<210> 33197

<211> 241

<212> DNA

<213> Homo sapiens

<400> 33197

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aagcaaagca	tgggtggtgt	gaggggttgg	gggttggggc	taagaagttc	aaagtcacac	180
ctgagactca	gagcccatct	gatgctctca	tgctgtaaag	ctgcggtcca	aatacagggc	240
a						241

<210> 33198

<211> 324

<212> DNA

<213> Homo sapiens

<400> 33198

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gctcaccagc	tggcccaaga	ccagactggg	caacatgggt	catcctctc	taagattcca	180
ggaccatgat	catccctcta	ttgctacttc	ttagatcagc	ttgtaatgtc	catctcccc	240
accagactgc	gtctccagca	tctctgagtc	cccagggcct	ggcctggggc	ttgctacatg	300
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<210> 33199

<211> 219

<212> DNA

<213> Homo sapiens

<400> 33199

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stcccttccc	ggcgtggaga	cgagataaca	cggaagccag	gggaggtctg	aagcctgagt	180
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<210> 33200

<211> 334

<212> DNA

<213> Homo sapiens

<400> 33200

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atctttggcc	agcagtgtca	gaaatatcaa	gaatcgtgtg	gaacatgaca	taattcttag	180
tcattttttc	ataaaattct	tgaaattata	ttttagtggt	cctgacttag	catgcctaata	240
aaatcccttt	gcattgtaag	rcagatacac	acctgagaca	ctgaagttag	actttcagaa	300

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334

<210> 33201
<211> 157
<212> DNA
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<400> 33201
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acaaatagaa actattgatt tttgtatgtt gatttcgtat cttgcaawtt kacctaaaat 120
gggttagcaa ttctaagagt tttttggtga aggcac 157

<210> 33202
<211> 159
<212> DNA
<213> Homo sapiens

<400> 33202
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ggggtacaaa caagagttca gttgctgtga attctgccac tgtgcccagc tctgaagcct 120
cagctcttgc caaacagacc cgagacccat gtcagacc 159

<210> 33203
<211> 173
<212> DNA
<213> Homo sapiens

<400> 33203
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caaaatgggt tacaacaaaa agatgaaacc cagtgtctatt aacagctgta caattcttga 120
tgtgttcaac gtattgattt cattcttctt tctgaatgtt tgttcttgga acc 173

<210> 33204
<211> 325
<212> DNA
<213> Homo sapiens

<400> 33204
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ctgctgggca ctgagagtgc agcaatgagg aagagcaggg ccattctca ggaagctcag 120
gggtgggaat gggaggagga atcagaagca agccaacagg gacagtgtgg ggtgggggtc 180
agctcagcac actgtaggag tccccaaaaa tgaggagacc tctaagctga gtcctacagg 240
agaagcaaga atagaagcag ggcaaagatg ggggtcggcc catcattcct agacgaaagg 300
cagagtttga gaagtggggg ccagc 325

<210> 33205
<211> 169
<212> DNA
<213> Homo sapiens

<400> 33205
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atatcactca tcgtcaccta tgagtaatgt ttaatagcaa ggaaaatcta atttacagtc 120
aacattttatt gaatgctttc tttatgtaag cttgtatct gagattttt 169

<210> 33206
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 33206
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 tttggatttc atatacatta ctgaactgtg tgcaaggcaa tagttagcct tgatttttagc 180
 ccakagacag atggcagagc tatctctctc atagcttt 218

<210> 33207
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 33207
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 ggtgttgac ctatgcattc actagtacaa ttagtacaag gcctaaagga cttggtctgg 120
 ctccaatag agcagtaccg gaaggatggc cgc 153

<210> 33208
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 33208
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 atttattatt tttataattt amaataatcg ggmttttttg ggggcagaga aaaggtcttg 120
 ctctgtcacc caggctggag tacagtggca tgatcatagm tctactgcagc cttgaactcc 180
 ttgtctcgag tgatcctccc acctcagctt cctaaaggcg tacgcacaac accctgmcaa 240
 caatagctat tttaaaaagt attttaa 267

<210> 33209
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 33209
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<210> 33210
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 33210
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 agcctcccga gtagctggga ctacaggcgc ccaccacat gccagctaa ttttttgtat 180
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 gatccgcccc cctcggcctc ccaat 265

<210> 33211
<211> 102
<212> DNA
<213> Homo sapiens

<400> 33211
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tttgatgata gaggtttatt aattttgttt atccagacca cc 102

<210> 33212
<211> 214
<212> DNA
<213> Homo sapiens

<400> 33212
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tttaaaccac aaatcatgtc taatagttac cctcttccgt agtttttttt aaaactttgt 120
atttaaattt tgtatccaaa tgtatttcat tccaggttat aaattcggag tctaaagtga 180
cattccctct ctccccagc catataccga tgcc 214

<210> 33213
<211> 170
<212> DNA
<213> Homo sapiens

<400> 33213
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cactttcagg accttccctc ctcttgagcgt tggtctttta tctcctttac tagaggagat 120
aaatattttg catataatga agaaattttt ctagtatata acgcagacca 170

<210> 33214
<211> 167
<212> DNA
<213> Homo sapiens

<400> 33214
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gccgaggctc ccgaccgct tctgttttcg ttttctccac ccttcccctt agacgccgat 120
aaggacagc tcgtactgct tttgtgcgcc gtttccctct actcccc 167

<210> 33215
<211> 313
<212> DNA
<213> Homo sapiens

<400> 33215
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aggctggagt gcagtggcat gatctcagct cactgcagcc tctgcctccc aggttcaagc 120
aatcctcctg cctcagcctc ctgagtagct gagactacag gcgtgcacca ccacggcctg 180
gcaatttttt gtatttttag tagagatttc accatgttgg ccatgctggg ctcgaactcc 240
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accacacccc tcc 313

<210> 33216

<211> 168
 <212> DNA
 <213> Homo sapiens

<400> 33216
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 tggataagga cttgagttag acctgtctcc aaagcagggg atcactcttc taattttyya 120
 tatggtgttt ttcattctat tctgactcat ttgtmataaa acctccac 168

<210> 33217
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 33217
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 ccatctctgc agaagccatt tcaggagtac ctggaggctc aacggcagaa gcttcaccac 120
 aaaagcgaat tgggcacacc acaggtaa 148

<210> 33218
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 33218
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 tcgacacgag ttccamgcgt taggagtaaa cactgcga 98

<210> 33219
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 33219
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 acttcccatc accctcagaa tgaaatccca gcccggggcc ccatgcagcc ttgcttctcg 120
 ccagcctcag ccctccagc cctgggtctc tgtagttgca aggcttggga tttcgtcccc 180
 ttagatcctt gcaggagtac gggggagggg ggcccttctt gtcactcagc tctcatccca 240

<210> 33220
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 33220
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 attccaacat gtttttacta catgatctga ccactttcct tcagtttcca catattcaaa 180
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 ttttacttta aankaataacc accagaga 388

<210> 33221

<211> 246
<212> DNA
<213> Homo sapiens

<400> 33221
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ataccttagg ttaaggccac ataaatattt atcaggtgcc ttttctgcgg aggactctga 120
agggatacta aactgcattt agctgcatgc aactgaaact acttttacct acattgtctc 180
ttataaacat tataactact ctttgagaaa gtgtttacta tggactgaat tgtctcccca 240
tcccca 246

<210> 33222
<211> 200
<212> DNA
<213> Homo sapiens

<400> 33222
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cttggttaaa tttattccta agtttttggt tttctttgat gctatagtaa atgagattat 120
tttcttgatt gcttcgtcag ctaggttatt tgtatacaga aatgcaactg atttttatat 180
gttgagttaa taccttgcta 200

<210> 33223
<211> 298
<212> DNA
<213> Homo sapiens

<400> 33223
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gaatgaaggc ctggagatta cagttgggtt gtctttcctg gatgagacag gaaactggct 240
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<210> 33224
<211> 195
<212> DNA
<213> Homo sapiens

<400> 33224
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acgatcctgg ctactgcaa cctctgsttc ccagggttcaa gsgattcttg tgcctcagcc 120
tcccagtag ctgggattac atgcatgtac caccatgcct agctaatttt tatattttta 180
gttgagacgg ggttc 195

<210> 33225
<211> 274
<212> DNA
<213> Homo sapiens

<400> 33225
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attcacttgg gactggattc gatacaattt caaaacgggg agtcgggaat tccttaggac 120
cctctgtgga caaaaagctg atacccttgt taccacaagg attcctgcac ttcttctagt 180

ttgtagcttt ccaggagacc tggcagaaac aacaaatcaa atctccatgc ttaacaatcc 240
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<210> 33226
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 33226
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 gccgcgatca caccactgca tgccagcctg ggcgacagag tgagaccctg tctcagaaaa 180
 gaaaaaaaaa gtaaaaattg catgtaagtt gacccgcact attcaaattt gtggtgttca 240
 aggttcaact gtaatttcct agcaact 267

<210> 33227
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 33227
 tyattagatg tctccaggga aacasaacta ataggacaca cacacacaca cacacac 57

<210> 33228
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 33228
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 gaaatgttgc atttagagca gtgcacacag tagacactta ataaatgtca ttgaccatct 120
 atgaccagtt tctgttttag ttcgttttct gkttgtttt ttgagacagg gtctcgctct 180
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 ct 242

<210> 33229
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 33229
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 cagaaaatgg ggtatccatt ccctcaagca tttatccttt gtgttacaaa ccatccaatt 180
 atact 185

<210> 33230
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 33230
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 ttgagacagg gtcttgcttt gttgcccagg tcagagtgca gtgacaccat ggttcactgc 120

gaccctgacc	tcctggactc	aggsratbht	gcctcacctt	ccagagcagc	tgggactgca	180
ggtgcgtgcc	accatgcttg	gctaatttat	ttgttttttg	tggggacggg	gtttcgctgt	240
gttgccctagg	ctggaaaata	agcgaactct	tggactcaag	caatctgccc	gcttcaacct	300
cccagaatat	tgggattaca	ggtgtgagcc	actstgcctg	gcaaaagtca	cttattttta	360
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<210> 33231

<211> 131

<212> DNA

<213> Homo sapiens

<400> 33231

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<210> 33232

<211> 192

<212> DNA

<213> Homo sapiens

<400> 33232

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gtgcctttcc	tkctttttct	tgcctcatgg	ctcaaagcta	ggacttccaa	tattatgttg	180
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<210> 33233

<211> 250

<212> DNA

<213> Homo sapiens

<400> 33233

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acaggtagaa	tttctggatc	gtaactacta	gtgacttctg	aggtttacag	ttagaaaatg	120
ttctcaaagg	tttatcagtt	atgtattgat	gattggtaat	ctagaccctc	tggaggctgt	180
agaatgtgaa	aagatacagc	tgagctgaca	agtttttaggg	cactatcttc	tggaatgaaa	240
tcggccatca						250

<210> 33234

<211> 343

<212> DNA

<213> Homo sapiens

<400> 33234

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acaaaatact	tgtctgtttt	aaaaacctgt	tcaagtctac	caacctgttc	aagtctacca	180
attataaggg	caaattggag	aaaaagaaaa	aatatatact	caagagtggg	atcttgagct	240
atcggcactg	tacaaaaaaa	tcttccaatt	tagttgttgt	agagaaaaa	tgagaacaa	300
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<210> 33235

<211> 126

<212> DNA

<213> Homo sapiens

<400> 33235

taaggtaggt ttgttagttt gttttttggt aaaaggaatg tcacttgctt agagaggtta	60
atatactgca tgtggggcaa agttgctggt aagtatcatt cttccttctg tccttcgaac	120
cccca	126

<210> 33236

<211> 182

<212> DNA

<213> Homo sapiens

<400> 33236

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ggtttgtgat ggatttatgg agtatgtggg tatagaaatc atgaatctag catttgtttt	120
cagagattca agcatagtct taagggtaga tcagaaatga caaatgaatt caaacctaa	180
ca	182

<210> 33237

<211> 237

<212> DNA

<213> Homo sapiens

<400> 33237

caatattctt tcattcctta tgcttgcttt ggttttaatt tactcttttt cttaagggtgg	60
aggttagaac attgattttt tttctttctt cttttttaat gtagttattg acagccataa	120
tttctctcta agcaggtgct ttacctgcat cctatacttt ggtgtgttgt gtttttgttt	180
tcatgcacct aaaagtattt taaaatttac tccaagattt cttctttgac ccactta	237

<210> 33238

<211> 110

<212> DNA

<213> Homo sapiens

<400> 33238

caaattaaaa gtataataag caatcaagtk attagaccaa acatattcaa cattatataa	60
tattagakkgt tgataagrgt tactgaraaa tttaagaata cagcaggctt	110

<210> 33239

<211> 187

<212> DNA

<213> Homo sapiens

<400> 33239

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tatttcctcc tggtaataaa tacaagtgtg acctttcaga ttgcataatc caaaagtaac	120
attgctaattg ttttataata aaatatatta tgtgtgtttt ggttggtgaa aataatacag	180
actacat	187

<210> 33240

<211> 295

<212> DNA

<213> Homo sapiens

<400> 33240

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gatttagaag	gatgaatgtc	agctgaaatt	taagaaaccc	ctttgtaaat	aaccagggtc	180
tctataggag	ggtcgtagat	agcattttat	gtctttctga	cctccaacct	gaagtgaac	240
ataaggcatt	gtgctcatga	ctkttgatct	ctccaagtct	gacattcgaa	tcgat	295

<210> 33241

<211> 143

<212> DNA

<213> Homo sapiens

<400> 33241

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accagttag	acttgagcg	gcc				143

<210> 33242

<211> 215

<212> DNA

<213> Homo sapiens

<400> 33242

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aggcaggaga	atcgcttgaa	cttgggaggc	ggaagttgca	gtgagccaag	atcgaccac	120
tgcactccag	cctggcgaca	gagcgagget	ccgtttsraa	aaaaaargts	cacaatgtag	180
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<210> 33243

<211> 380

<212> DNA

<213> Homo sapiens

<400> 33243

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acattattga	gaacctgttg	tgctaggcac	tcatacaaa	tatttcta	catcacagca	120
acttgaacga	tattttcttc	atcaataaaa	agagaatgag	gttcagggca	gtttagtaag	180
atttcttagg	gcacttcaaa	gttgtccagt	ttattgcttc	ccgaccctaa	tgctaccctc	240
gatcggggct	ctttccatt	ttaccctgat	cctcacccctc	ccccaaatgc	ccttagggta	300
ataagtggta	caccaggaag	actgctactt	ataactgttc	attttcaagg	aaacttaggt	360
atctgtgcaa	ttaaatacca					380

<210> 33244

<211> 291

<212> DNA

<213> Homo sapiens

<400> 33244

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acacggcggt	atatggaaaa	gatcctcttc	cctgtakgag	ctcgawttt	catgggagaa	120
gaaattatga	gagaatgcct	gtctcctttc	agtcacctgg	cttgtggatt	tgctatcccc	180
aggtgaaacc	aaggccctac	tggactggcc	ccaggctgat	tcctggagga	agctactttt	240
cagakgggca	cacaggttat	ctcatggaca	ggttcttcag	ggtgtcttct	a	291

<210> 33245
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 33245
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 catgcacaca cccataccat cacacaccac acacgcgcac acagatgcrac atacatgcac 120
 tcaactgcaca caccgttgta cacgatgcac actacaagcc acatac 166

<210> 33246
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 33246
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 atggatttac accactggaa tctgaaaatg ctataaatca atcctttttt 110

<210> 33247
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 33247
 cgcttastta atgggtcatta aatgcagrwa ctacttgcta agagctttat gtgtgt 56

<210> 33248
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 33248
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 taccttctgt aattttgtac cagktkatac ycctgcaata ggtaggtgk acacagattc 120
 ccattaattc acacttcacc caagttgtgt gtgkgtcagt gca 163

<210> 33249
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 33249
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 cattgctact gtcttagtcc cagtgtcatc ttktacctgg gattattgta aaggcctcgk 120
 aactagtctt cctgktctg cccttccctt ctctgccccat ctattctcaa cacagtgttg 180
 cttttaaaac aaagtaagat cgtgccactc ttctgtctta aattccccat tggtttctca 240
 tctcaaacta agggccagtc ataatgccct cacgtgccca t 281

<210> 33250
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 33250
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ctaaacttct tccacttctg ggccccctgc ccaactccct cccccctctc 109

<210> 33251
<211> 106
<212> DNA
<213> Homo sapiens

<400> 33251
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aaagtgactg kgatttgtct cytttttttt tttttttttt tttttt 106

<210> 33252
<211> 329
<212> DNA
<213> Homo sapiens

<400> 33252
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ttaacatact tagaaaatga agtgttcatt tttaacattc ctccctccaat tggtttaatg 120
ctgaattact gaagagggct aagcaaaaacc aggtgcttrc gctgarggct ctgcagtggc 180
tgaggaggacc ccggcgctct ccccggtgtc tctccacgac tcgctcggcc cctctggaat 240
aaaacacccg cgagccccga gggcccagan kadgcccagc tgcccagagc cctccggggg 300
tcccgcgccg gagctttctt ctgccttc 329

<210> 33253
<211> 212
<212> DNA
<213> Homo sapiens

<400> 33253
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ggtatagatt ctaccacta gaagaagttc acgttctggt atagtgtttt tcaaactttg 120
actcagtctg ttagcaagtt ctgaaattaa aaatcagttg gtcataattt attataacct 180
atagtataaa ataaaatatt tgtgaggccc gc 212

<210> 33254
<211> 238
<212> DNA
<213> Homo sapiens

<400> 33254
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taatttgata attcatataa ttcattggct ttgagagcct gctctactca aagcccgtaa 120
agagcaggca ggaacattgt gaacgaatgt tgggcatatt attatgcaag tgactgaatt 180
kggctttgcc tgtaatcagg ttcagcaaaa gtggtatatt ctttctttct tttttttt 238

<210> 33255
<211> 178
<212> DNA
<213> Homo sapiens

<400> 33255
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 gaataaagtc ctcamaattg aaatrtgaca wdgvycccca acatctccca tctctcwrra 120
 tttctttttg cktcattatt cctgctaacc aattcatttt cagactttgt acttcaga 178

<210> 33256
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 33256
 taattaaccc cacaaatttt ggtgcatkkt catttatggt caaaatattt tctaatkkt 60
 tttgagaatt gttctttgac ccatggatka tgatgatgat gc 102

<210> 33257
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 33257
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 accagcactc tgccccaccc ctcttgcctr gcagggttgg tggacctggg tgtctctctg 120
 gacacatcc 129

<210> 33258
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 33258
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 ccaaagaaga ctaggtacac acccascama cacrgaac 98

<210> 33259
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 33259
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 tgtggatatt aaatggaagg tttgstgtgt kgaattckag ttkgtktcca ktggagcagt 120
 tttatgaaat atgttctata agatgtacat tttttcattg taacatagaa attgtaaata 180
 attgattaaa gtgctgcatt ttgatgaatt ttttctagcc attttttaaag agaaaactag 240
 gaattgagta ttttgtgtac ggtatgtttc catcctccct ccccttcctc ctcccctgtt 300

<210> 33260
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 33260
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 aaggattcga tccccagtbs cgtcccckccc cakktctkrq ggcggcccca aaccgctcca 120
 ggcctgagag gctgtaggk ccatgaggac aggccttgag tctgtcctgg tctctggaat 180

cacggtgtct agtagaggcc agcacacagc aaatatataa atgtacaaat gagtgaatga 240
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<210> 33261
<211> 284
<212> DNA
<213> Homo sapiens

<400> 33261
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ccccaggac tgtgaggact gcacgccgca tggcctgctc cctgggaggg tgacgggttt 180
gcctcccgcc tcccacacaa ggcgcacacc agcgggcaca gcccggtgac ctgcacgtct 240
gagtccagga tgccagtgat gtttcttctc ctctgcccc gtte 284

<210> 33262
<211> 61
<212> DNA
<213> Homo sapiens

<400> 33262
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a 61

<210> 33263
<211> 166
<212> DNA
<213> Homo sapiens

<400> 33263
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tgtacttaga caaagaggca gctgaacgtc tttcaaaaac agtagaatga agcatgtctg 120
ttactagcag aatataacgg gcgcctggca gcagaactgg aggacg 166

<210> 33264
<211> 381
<212> DNA
<213> Homo sapiens

<400> 33264
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gttttttaaa attaacttgg tctagtataa gtgatatcaa gagtwaatct tagaaacttg 120
ctcagtaaaa acattttcta gtataacatg tcttttaaaa agcaaatgct gccgtctttg 180
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tgaaacccca tctctactaa gaatagaaaa ctacagccggg cgtggtggcg ggtrcctgtg 360
gtcccagcta ctcgggagct c 381

<210> 33265
<211> 178
<212> DNA
<213> Homo sapiens

<400> 33265

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 atattgtaaa gattttgtaa ttctttkkca ttcttttaaa aatgtttgcc tggtttgc 178

<210> 33266
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 33266
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 ttttttttt 69

<210> 33267
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 33267
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 gaacaaattg tccagtggcc tcctgtcaga tcaacaatta ttatactcct taattccatg 180
 caaattttaa tgaatgctat aaaattttta atctgtagcc tgggtgtacg tttcactcaa 240
 gttctcctac tgaggactct tgactaacag catactggca gtttcacctt aacctgccc 299

<210> 33268
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 33268
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 tagaraaggt acagtaaaaa tataatataa aagataaaaa atggtatacc tgtgtaggac 180
 acctaccatg aatggacctt aaaggattgg aagttgtttt ggtgagact 229

<210> 33269
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 33269
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 gatgcacccc atcagcaggg acttttctacc tgggagggta attgtttcaa ttatcttctt 180
 tttctttttt tttttttt 198

<210> 33270
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 33270
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cccaccttcc ctccaccagt tcccc

85

<210> 33271

<211> 169

<212> DNA

<213> Homo sapiens

<400> 33271

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tccgccacc ttggcctccc aaagtgctgg grttasaggc atgagccacc atgcctggcc	120
aaaaataatt tctataatta aaatgctaaa tgaataggga ctggagctg	169

<210> 33272

<211> 72

<212> DNA

<213> Homo sapiens

<400> 33272

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taaaaactag ga	72

<210> 33273

<211> 384

<212> DNA

<213> Homo sapiens

<400> 33273

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taattgcamg aaggcaccat cctccccatt tyaggcactg ttctctaatt ggctgcctt	180
cctttctggt gaatccctat tggctctctt ggggctcttg cattctcagg tctgtgggta	240
cattgttgc tttctyttct ttctcctgcc tagatcctgg cattgctact tgtatttytc	300
tttctgatac tgccatacta actcaatgtt atgttgamaa taatgttttt cttaatttat	360
aaagtaagty attttgtttc agtc	384

<210> 33274

<211> 267

<212> DNA

<213> Homo sapiens

<400> 33274

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tccaaattta tctgatagag atgagcaaag tatcctaaga ttccctcccc ccccgctatt	180
tgtggttatc tccctaagat cattttgtat attcttcttt gcttaggatg gccattttat	240
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<210> 33275

<211> 79

<212> DNA

<213> Homo sapiens

<400> 33275

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tggattattt cctttttt

79

<210> 33276

<211> 173

<212> DNA

<213> Homo sapiens

<400> 33276

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catatgatag	ctgtttccaa	acgtaaaggg	cattcatagg	gaaggacat	tttctgggtc	120
cctattttat	gccatagatg	ctgggctaga	cactttaatt	gacatcacc	cct	173

<210> 33277

<211> 212

<212> DNA

<213> Homo sapiens

<400> 33277

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aggccggaga	tggtagcatc	cactgtgtga	gccaacgggg	gcctcccacc	ctcatctagc	120
tctgttcagg	agagctgcaa	acacagagcc	caccacaagc	ctccggggcg	ggtcaagagg	180
agaccgaagt	caggccctga	agccggtcct	gc			212

<210> 33278

<211> 163

<212> DNA

<213> Homo sapiens

<400> 33278

agaagggaca	gactatttct	agatgcttct	tttaacaatc	gatgttttct	gcttgtgtaa	60
ctgctcaagc	tgaaaaagtt	agcaattacc	accagtggtg	caaaatagca	ttttattcgt	120
tctgaaaaca	cccctcttaa	accttaacta	aaagagcacc	tac		163

<210> 33279

<211> 265

<212> DNA

<213> Homo sapiens

<400> 33279

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ctaaaacagc	acaaaaaaaa	tttcaacttt	gaaatgaaat	ttttataatt	gtatggcaaa	180
aggctatgta	aaaacaaatc	ttgcatctta	agacaaatat	tcttttattt	ctgttaaact	240
gaatatacaa	ttgttcccta	ggcct				265

<210> 33280

<211> 165

<212> DNA

<213> Homo sapiens

<400> 33280

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ggtaaggatg	ggaatatatt	gttatactgt	gtatagttaa	tgtattgtac	tgtgtctgtg	120
aaaactgtgc	tttaaattat	attttcatat	gttttggttg	ggacc		165

<210> 33281
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 33281
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 gttgatgtat tagtatttct ttcccttttta tgactgcata atattccatt gtatgaatat 180
 accacatatt gtttgtccat tcaattgatg ggcatttagg ttttttctgc ttgttggctg 240
 ttgtgactaa tgcgtctata aacattcatt tacaagcttt tgtgtagatc atatgttttt 300
 aattctccta aaagtggat tgttgggtct tatggtaact ctgttttagt tttggaggaa 360
 ttgcbagact gtcttttaaac agctggacta ttttgcatc ctgtcagcaa tatatga 417

<210> 33282
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 33282
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 gcaagaatct ttgtaatgca acaagagaga agttacaagg cagcacggaa gtcaatgccg 180
 gt 182

<210> 33283
 <211> 274
 <212> DNA
 <213> Homo sapiens

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 ctcaaaactcc taacctcagg tgatctgccc acctcagcct cccaaagtgc agggattaca 180
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 tttggttttt tkgagacagt gattcccccg cctt 274

<210> 33284
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 <212> DNA
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 tccatgagct gtgtaaattt tgtgaatatg kattatatta aaaccaggca acttggaaac 180
 cc 182

<210> 33285
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 33285
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 tgcactccag cctggcgaca gagcgaggct ccgtttcaaa aaaaaaa 167

<210> 33286
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 33286
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 acaaacctca cacaccacac acag 264

<210> 33287
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 <212> DNA
 <213> Homo sapiens

<400> 33287
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 aaaatatgta tttcatttkt tctgagtaat atatttgctt gaatttcaca gcctcatgg 179

<210> 33288
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 33288
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 aacataacta gattgttctg aataccgta ttatttccca ataatacaaa catcacaatt 180
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<210> 33289
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 33289
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 tgcactccag cctggcgaca gagcgaggct ccgtttca 158

<210> 33290
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 33290

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ttcatctgtg	taacagcaac	aatgcatgcc	acctgccaca	tatccctcat	gggcttggtg	180
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 <211> 232
 <212> DNA
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gtgtcttggt	agtcagtgc tttgcagccc atcatacagt gcctggcacg aagttgagta 180
aagaaatgaa	tcctctgtct acctctgggg agattgtcaa ccactgtggg tc 232

<210> 33292
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 33292	
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tcagtttgcg	cact 74

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 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 33293	
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gtaaggtgtg	tattgggtccc atttagcagg taagacaatg aagaccagag gtccagcacc 120
ttgcctaaac	cacacctgct gggatttggg ttcaagtcca accgtacagc tcaaacgctc 180
agccacttcc	ctaaagtcca ccca 205

<210> 33294
 <211> 172
 <212> DNA
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ctgcactcta	gactgggtga cacagcaaga ctccatctca aaaaaaaaaa aa 172

<210> 33295
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 33295
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 tgtaaagtgt gacat 75

<210> 33296
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 33296
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 cgcaaagtgg agtccttat 79

<210> 33297
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 33297
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 aatccattaa tgctttttta gaatggcaga ccttgatgtt tatttctcaa atgggtaagc 180
 cctcttcttt actcttaatt ttttttttgg gacggagtca cccaggctgg agtgagctgg 240
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<210> 33298
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 33298
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 cctgggcgac tgagcgagac tccgtctcca aaaaaaaaaa aaaaa 165

<210> 33299
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 33299
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 gaagtccaag atcaaggtcc catgca 146

<210> 33300
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 33300
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 cagggcaggg tcgcatctga ctctgtcatc tctgcttttc ctggcatggc acagggcaga 120
 ggcttcatcc tgtttatcga tggagcgagc ccagggttcc cgtcgtcagt gccactgtgt 180

004220" 556ET550

ctcacagtgc	cttcctcacc	cagggcaaag	ggcattttaga	acctgacacc	tgacaacctc	240
ccaggggtctc	caccgtctca	caccacgcg	ctccctggag	gccactcact	cagccccttg	300
gttgggaaca	taacgaggag	atggcattta	aggagccagt	gatcttcgag	caccttgaag	360
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<210> 33301
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 <212> DNA
 <213> Homo sapiens

<400> 33301						
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agagtgaagg	ctgggcacgg	tggctcacgc	ctgtaatccc	agcactttgg	gaggccgaga	180
caggtggatc	accttaggtc	aggagttcga	gaccagcctg	gccaacgtgg	tgaaccctg	240
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<210> 33302
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 33302						
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cttctaattg	tattgettcc	cttgccccc	accactgag	aggccctgg	gtgtgaggtt	180
cccctccctg	tgcccatatg	ttctcattgt	tcaattccca	tttatgagtg	agaacacatg	240
gtgtttggtt	ttctgtccct	gtgttagttt	gctgagagtg	atggtttcta	agcttcatcc	300
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<210> 33303
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 33303						
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aaaaagagtg	gaaacttaaa	tcaaaatata	agtcctwttc	twgctctgtc	ttctagttaa	120
aatgtyattc	tgtgttagag	aatgaccag	atgaattgtg	tttcctgttt	cgttttgcag	180
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<210> 33304
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 33304						
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taaagatctg	agttttaaaa	atgttggtgc	tggtggattt	cttgttcctg	ttacataact	120
aaaagtgagg	ccatttgtgg	tttttaaaaa	ccttatgaat	taaaaatgct	acaggc	176

<210> 33305
 <211> 331

<212> DNA

<213> Homo sapiens

<400> 33305

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ttgtttcttt	gtaaaaaaa	ttactctgtt	tttgagtggg	attcattctg	ttgctttctt	180
accacttctg	caaattttta	tcttagccac	atataatccc	cctagtttgt	tgcatctaa	240
acttaatgaa	catgttctct	attccataag	ccaggtgatt	ggtgaaaaca	ctaaacaacc	300
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<210> 33306

<211> 326

<212> DNA

<213> Homo sapiens

<400> 33306

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gcttgcccag	acccagtgcc	ccttctgctg	ggggcatacc	agtgcctcgc	agcaaacttg	180
cacagcctgt	tcgcaggtaa	gtggcagatg	ttctgtttca	gcattcttga	gtgcctgaaa	240
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<210> 33307

<211> 114

<212> DNA

<213> Homo sapiens

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<210> 33308

<211> 109

<212> DNA

<213> Homo sapiens

<400> 33308

ccattttccc	tcatgaatag	actcaccagc	atthttacccc	cttggttataa	aactgtgcag	60
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<210> 33309

<211> 157

<212> DNA

<213> Homo sapiens

<400> 33309

catcagtagt	caaaagcatt	tctccttttc	aacataaacc	cttccaaaac	atcattttaa	60
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<210> 33310

<211> 303

<212> DNA

<213> Homo sapiens

<400> 33310

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cgtctcccgg cttcaagcga ttctcctgct cagcctccgg agtggctagg actgcagctg      180
cgcasaccat gcccggttaa tttttgtatt tttagtagag acagggagtc ctgacctcgt      240
gatccacca cctcggcctc ccaaaatgtt gggattacag gcatgagcca ccgcacccgg      300
cgc                                                                    303
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<210> 33311

<211> 64

<212> DNA

<213> Homo sapiens

<400> 33311

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gacaaaaaad tcacttcagg gracacagta aaaggtgact gartcaatct aggttaaaaa      60
aaaa                                                                    64
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<210> 33312

<211> 324

<212> DNA

<213> Homo sapiens

<400> 33312

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ttgcttttat gcacaagaag gccttagctc ctgaaacttt cttctgagac tttcctgtga      60
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ccttcattct gaatcactca cctgacttca ggtgttacct cttcccctga catgctaaaa      180
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tcacagagct taggatgtca tggaagtatc tcagggtccg ttggagatat ggcactgagg      300
tgtaggcttg ataattgggg cagc                                                                    324
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<210> 33313

<211> 157

<212> DNA

<213> Homo sapiens

<400> 33313

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aaaagatctc tcatcatgaa gtagtagatt tgaagaaaaa aagcacatta aatcctaaag      60
actatgtttc ctaaaagtct tcccctcttc tgccacataa aaggaaggcc tcaacttcaa      120
ggaaaaagtg tatatatacc ttttatatac ccggcat                                                                    157
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<210> 33314

<211> 297

<212> DNA

<213> Homo sapiens

<400> 33314

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tttcgtctgt ccatttgtct agtagccctg ggtcttgact cacagggtgga atgggagtgc      180
aaactcagta catgaaggac agaactgact gtccctggac cataatagaa actcattcta      240
gaagttcaac atgaaactca ttctagaagt tcaacatgaa aaagtttaga agaacgc       297
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<210> 33315
<211> 351
<212> DNA
<213> Homo sapiens

<400> 33315
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<210> 33316
<211> 50
<212> DNA
<213> Homo sapiens

<400> 33316
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<210> 33317
<211> 303
<212> DNA
<213> Homo sapiens

<400> 33317
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cgc 303

<210> 33318
<211> 321
<212> DNA
<213> Homo sapiens

<400> 33318
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gtccctttca cgggtgatca agtaagggtg cttcgtcctg ttcacgcgca actaggggaa 180
gcgaatgagg agtttgact ccgtgtacaa cagctggtgg ccaaggaatt gkkccagaca 240
gggacacggc tactccagc tgacaaagca gagcacatga agcgacaaaag acaccccaga 300
ttgcgcccc agtcagccgg a 321

<210> 33319
<211> 187
<212> DNA
<213> Homo sapiens

<400> 33319

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cctgttgaac	aaactcatca	gtgtggtaat	cctatgaggg	ataattgcag	aaagggttta	120
gagacttg	aggttccata	tgataattct	ttacacctcc	ccccccaaga	gaaagtacac	180
aggtgct						187

<210> 33320
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 <212> DNA
 <213> Homo sapiens

<400> 33320						
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agggcgccct	tctccttccc	cctagtaagt	gragaaaccc	ttgtgktct	gccctctgaa	120
ctcaccgcat	ttgggattac	catgctaaca	tccttttttt	cactgactgc	aaattgccag	180
agtgcaggaa	ctatctcatt	tgctgctttc	tcctaatgc	ctggaa		226

<210> 33321
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 33321						
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caagtttggt	ttttatataa	atatatatac	atatatacat	attatgtatg	gttgtaaatt	120
catacactta	tcacatgaat	gtgttactgt	atacaaaact	cttaatgctt	tattctcaaa	180
tgctgggtc						189

<210> 33322
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 33322						
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ctgccccaga	gacatatagg	agccaggcaa	acaccagggc	gagtgcagtc	gggccatctg	120
ctgcctgcct	gtggaaggag	cgctcgccag	cctcaccag	cccgagaagg	tccacctctg	180
cctccgcggg	agctgccctc	attctggctc	cagtaagtgc	tgcttcttcc	tcctgggttt	240
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<210> 33323
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 33323						
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tctttacccc	tgctgacctc	ccacctatcc	gccctgcagc	agaaccttgg	cggtttatag	180
gtaatgatgg	aacttagact	cctcttccca	gagtcacaag	tagcctctgg	gatctgccaa	240
aacacgtcca	ctcccaagcc	actagcccac	tccccagttg	gcccttctgc	ccttacccca	300
cac						303

<210> 33324
 <211> 156

<212> DNA

<213> Homo sapiens

<400> 33324

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acaaatagaa actattgatt ttygtatgtt gatttcgtat cttgcaattt tactaaaatg	120
ggtagcaat tctaagagtt ttttggtgaa ggcac	156

<210> 33325

<211> 164

<212> DNA

<213> Homo sapiens

<400> 33325

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ctccacctcc gggttcgtgc tattcttctg cctcagcctc ctgagtagct gggaatgcag	120
gcactacca ccacacctgg ctaattttttt gtattttttt tttt	164

<210> 33326

<211> 66

<212> DNA

<213> Homo sapiens

<400> 33326

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<210> 33327

<211> 123

<212> DNA

<213> Homo sapiens

<400> 33327

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tcccagtcac cctgaaggac cttttgactt tgcttttata attctgtkaa aaattgagga	120
ggg	123

<210> 33328

<211> 187

<212> DNA

<213> Homo sapiens

<400> 33328

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gttaattcca tcatctgtca tttttgcac tggtttttatt gactaacttt cttcctcatc	180
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<210> 33329

<211> 69

<212> DNA

<213> Homo sapiens

<400> 33329

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ktagcgta 69

<210> 33330
<211> 151
<212> DNA
<213> Homo sapiens

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awataccaca aggtatctaa aagagggggc a 151

<210> 33331
<211> 303
<212> DNA
<213> Homo sapiens

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cttgtaaggg gaagagatgc ctctctccct tgctccccta cactaagcag agactccata 180
tcaatacgca adgcagggtg acaagggtctg tgcccagata taggamacag agaaaacttg 240
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act 303

<210> 33332
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<212> DNA
<213> Homo sapiens

<400> 33332
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tgagccaccg tgcccggcag gagcacccta ctttttaagg agcaaccctt ttctccacac 180
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<211> 130
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<213> Homo sapiens

<400> 33333
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aaciaagtgt 130

<210> 33334
<211> 219
<212> DNA
<213> Homo sapiens

<400> 33334
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attattagta gatggagttt ttttaaagg tcatTTTTca caaagaaaaa tttgtkttgt 180
cttttaacac tttaggactg ttacttcata gtttatccg 219

<210> 33335
<211> 269
<212> DNA
<213> Homo sapiens

<400> 33335
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aagtgtataa ttcacattaa ttacattcac gatgttgtgc aaccatcact gatattctact 180
tccaaaactg gaactcttgt gcaactgcaa ctttttcacc atcccaaaca gataatctga 240
acccattaag caataacctc ccacccctc 269

<210> 33336
<211> 103
<212> DNA
<213> Homo sapiens

<400> 33336
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tttccccctt acgtctgtaa tatttcgtgc aaacgtctgt caa 103

<210> 33337
<211> 154
<212> DNA
<213> Homo sapiens

<400> 33337
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tgagccatga ctcaattcag ttaaaggagac ctga 154

<210> 33338
<211> 189
<212> DNA
<213> Homo sapiens

<400> 33338
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attcagggga tattgttcct gatTTTgctt tctctccact tggaaaggag gtggacgagc 120
ccatcagacc acagcctggt gctaggagga aattccttgg ctcaacatgc agaaagtga 180
gtacgcaa 189

<210> 33339
<211> 169
<212> DNA
<213> Homo sapiens

<400> 33339
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caggctggag tggagtgcga tcttggctca ctgcagcctc cgccctccct

169

<210> 33340

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<212> DNA

<213> Homo sapiens

<400> 33340

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<210> 33341

<211> 219

<212> DNA

<213> Homo sapiens

<400> 33341

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tttaaaatgt	ttgcgtaaga	ttgttggtat	ttcttcttga	atgtttgaca	gaattcacca	180
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<210> 33342

<211> 190

<212> DNA

<213> Homo sapiens

<400> 33342

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gattttgggtg	cactcatccc	ctgagcagta	tacactgaac	ccaatttggtg	gtcttttatc	180
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<211> 61

<212> DNA

<213> Homo sapiens

<400> 33343

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<211> 120

<212> DNA

<213> Homo sapiens

<400> 33344

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<210> 33345

<211> 222

<212> DNA

<213> Homo sapiens

<400> 33345

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acagcatttg	ttgtgctttg	tttccttttc	tcttagaact	tttccttttg	aagataaaat	120
tagaagacat	accaatagaa	tatcatttta	tgtgtgcatt	gtctaatttt	tttcagataa	180
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<210> 33346

<211> 158

<212> DNA

<213> Homo sapiens

<400> 33346

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tataaattta	attttcagtt	tgcttggtat	atataagtac	atatagagat	taatagctcc	120
cctaataaag	agagggagag	atggtgtagc	tgggacat			158

<210> 33347

<211> 113

<212> DNA

<213> Homo sapiens

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<210> 33348

<211> 229

<212> DNA

<213> Homo sapiens

<400> 33348

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gggtctggtag	gtatagtatc	aaagttgagt	taaatgtgta	aaaaggaaac	tatttgagat	180
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<210> 33349

<211> 105

<212> DNA

<213> Homo sapiens

<400> 33349

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<210> 33350

<211> 214

<212> DNA

<213> Homo sapiens

<400> 33350

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tagactttta	tttttattkk	tattkkattt	tatttttatt	tttgagatgg	agtttcactc	120
ttgttgccca	ggctggagtg	caatggcgcc	atctcggctc	accacaacct	ctgcctccca	180
ggttcaagtg	attctcctgc	ttcacccctgc	ccat			214

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 <212> DNA
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	120
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 <212> DNA
 <213> Homo sapiens

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gcccttatca	taggctcaag
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atgacgtaaa	attatactta
accctctttc	attcaagatt
ttgagtttgt	aggtgttgtg
ctgaatagag	tcctagaatg
tagcagttcg	tggttggttt
ctcacttggt	tgagctcttt
tctctttatt	gcctgtttca
gaatgattaa	accagaattt
agctatctgt	ggcacagatg
tttggttaca	tacatgagac
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	300
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 <212> DNA
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 <212> DNA
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cctctgcagg	agatctgccc
aaggagaatc	catatgagga
tgtggactta	aagagccgaa
gagcaggacg	aaaatcccag
caactgtctg	agaactcctt
ggactctttg	cacaggatgt
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tacaacagcc	cgccacaca
gctaa	
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	180
	240
	245

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<400> 33355

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acttaacaga	atTTTTTaaa	aaccttttta	tttataagtt	catgttccag	aaacacaatt	180
gtgtctaata	ttaataacag	ggtggaaaaa	attaccaaca	accctgcaac	tttatatgca	240
agga						244

<210> 33356

<211> 142

<212> DNA

<213> Homo sapiens

<400> 33356

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<210> 33357

<211> 90

<212> DNA

<213> Homo sapiens

<400> 33357

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<210> 33358

<211> 286

<212> DNA

<213> Homo sapiens

<400> 33358

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atctgagtgg	aatattcaaa	aacttgctta	gaaagaaaac	tctaggacag	atggctccac	180
tgaagttatt	ccaaatatTT	aataaataaa	gcataccagg	cttttataaa	ctcttctaga	240
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<211> 440

<212> DNA

<213> Homo sapiens

<400> 33359

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tctgtkctw	catggaatct	gtagtgggtat	cagaatactt	ttatcaggaa	gaattttata	180
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<210> 33360
 <211> 275
 <212> DNA
 <213> Homo sapiens

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<210> 33361
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 <212> DNA
 <213> Homo sapiens

<400> 33361
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 tggagttatg ctgatcatct ctgtgaggcc aaggaagctt gagagtcaag gagcacttga 180
 gctggtgttg gaagctgagt gggcatggcc ccatgggaac agcacaggaa accacacttt 240
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 cca 303

<210> 33362
 <211> 152
 <212> DNA
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<400> 33362
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 aaggctttta gacttgccag gttaagcaac agccaagttc tcagtaattg ttgacctga 120
 tttatctttt agacttcatt ttgccagctc ga 152

<210> 33363
 <211> 71
 <212> DNA
 <213> Homo sapiens

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<210> 33364
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 <212> DNA
 <213> Homo sapiens

<400> 33364
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 catgaaatgc tctcttttaa agtgtacaat atagtggttt ttaaaatatt cagartattg 180
 tatactatc accactatct tattccagaa cattttgrwt cagccaagaa attaatecca 240

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271

<210> 33365
<211> 195
<212> DNA
<213> Homo sapiens

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tcccagtag ctgggattac atgcatgtac caccatgcct agctaatttt tatattttta 180
gttgagacgg ggttc 195

<210> 33366
<211> 177
<212> DNA
<213> Homo sapiens

<400> 33366
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ccaagtcctc agctaagatt agggacgaag ataggaataa gaccccatcc ccacaca 177

<210> 33367
<211> 462
<212> DNA
<213> Homo sapiens

<400> 33367
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ggccaactgc tgcagagtaa ctaggatata tgaatgtgag ac 462

<210> 33368
<211> 137
<212> DNA
<213> Homo sapiens

<400> 33368
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gcaggagaat ggtgtgaacc tgtgaggtgg rgctttgcag tgagccaaga tcgcgccatt 120
gcactccaac ctggaca 137

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<211> 371
<212> DNA
<213> Homo sapiens

<400> 33369

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<210> 33370

<211> 267

<212> DNA

<213> Homo sapiens

<400> 33370

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gccgcgatca	caccactgca	tgccagcctg	ggcgacagag	tgagaccctg	tctcagaaaa	180
gaaaaaaaaa	gtaraaattg	catgtaagtt	gacccgcact	attcaaattt	gtggtgttca	240
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<210> 33371

<211> 255

<212> DNA

<213> Homo sapiens

<400> 33371

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ataagtgata	tataaggatt	taaaaaagaa	ggcctcaagt	ttaaaggata	tatgtaatta	180
caagatgatc	tcaattttta	atcagaacac	ttaagttgga	tgtataggag	acaggaaatg	240
catgttagag	aggca					255

<210> 33372

<211> 342

<212> DNA

<213> Homo sapiens

<400> 33372

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tggtttgtca	tagtttcaca	ttaccttaaa	cagatgccca	gactgggcac	agtggctcat	180
gcctttaatc	ctagcacttt	gggaggctga	ggcgggtgga	gcacctgaga	tcaggagttc	240
gagatcagcc	tgaccaatat	ggtgaaaccc	tgtctctact	aagaatacaa	aattagccaa	300
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<210> 33373

<211> 382

<212> DNA

<213> Homo sapiens

<400> 33373

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<210> 33374

<211> 274

<212> DNA

<213> Homo sapiens

<400> 33374

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 tgattctgga agagctaaag atgtaccacg attccagcct aatatttagg ttctagtttt 180
 aatatgcttc ttaagctact aaaatatttt aaaaagattg tagattctat taattgactt 240
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<210> 33375

<211> 251

<212> DNA

<213> Homo sapiens

<400> 33375

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<210> 33376

<211> 334

<212> DNA

<213> Homo sapiens

<400> 33376

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 tcttcaaatc aaatgggtatt ttttcaagga ggcctacctt gatcccccta ttttaaattg 240
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<210> 33377

<211> 133

<212> DNA

<213> Homo sapiens

<400> 33377

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<210> 33378

<211> 226

004220" 6567560

<212> DNA

<213> Homo sapiens

<400> 33378

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ccactatgaa tcattgcttt tacattggca tcaaagactc tgccaaagat cgtgaaagaa	180
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<210> 33379

<211> 257

<212> DNA

<213> Homo sapiens

<400> 33379

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acactaatat aaacttattt tcagtaaatg ttccagaaca atgcaccatt ttatacctcc	180
cttacttata aagatatttt ttaaaaacct ccctttccta taaaaatatt tttaaaatac	240
accattttaca cgctccc	257

<210> 33380

<211> 168

<212> DNA

<213> Homo sapiens

<400> 33380

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tgcttggttg aaagttag cctgagtatt ttcttcctct aaaaaagggtg ggaaatgaga	120
cattgaggaa ttaacatata aatgtctgct atgggtttta gagaacgc	168

<210> 33381

<211> 215

<212> DNA

<213> Homo sapiens

<400> 33381

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atgtggaact cttccagcgc atagaacact taattgggaa gaaactacca ggttttccaa	180
cacaggatga tgaggttatg atgctgacag aacgc	215

<210> 33382

<211> 150

<212> DNA

<213> Homo sapiens

<400> 33382

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aaacacctga cctcagatga tctgccact	150

<210> 33383

<211> 361

004220.66655

<212> DNA
<213> Homo sapiens

<400> 33383
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gtagccaacc agagaccttt gctttgatat catcaactgc agacaatgct gttgatgggg 120
aatgctggaa gcagaaactt tgtcatcgga aaaacttttc ttgtatgcat gagactcaac 180
atcaggatcc acagcttaaa gatgggaatt cagggtatgaa agaaaacagg caaggaggca 240
ctgaggggaga aagacacaga ctttatcgct ctgtggctca ttgttactgg aagahtctaa 300
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c 361

<210> 33384
<211> 285
<212> DNA
<213> Homo sapiens

<400> 33384
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agtatcacca actgcctcat gtgtgggtgac cttcactggt gtatgccagt gactcatctg 180
gagtaatctc aacaacgagt taccaatact tgctcttgat tgataaacag aatgggggtt 240
tggatcttag caattctcac aattctcatg tattccacag cagcc 285

<210> 33385
<211> 330
<212> DNA
<213> Homo sapiens

<400> 33385
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gaacttcttt gttgagagag agagagagag atgcccaatg tgacagcaca ttgggcatca 180
ggcatatggc tgatcctggg gccgcaggga ccatgaaaag acacaggatt tgggttcaat 240
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gaatcactag ttggttttgt ttcccaagaa 330

<210> 33386
<211> 167
<212> DNA
<213> Homo sapiens

<400> 33386
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tggatgacta tcgtgtactt gggaaagtct ctttgctcta tttgtgaca tgcttcctgt 120
tgtggtctgg ccaatgccaa atgtactcga atgatgttaa ggggcgc 167

<210> 33387
<211> 156
<212> DNA
<213> Homo sapiens

<400> 33387
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atataaatgg atatccaagg accaccagac gaatgaggtg aaccagaagc atgaaagaaa 120
aaaggccaag ataaatagaa aaactaacc cagtgc 156

<210> 33388
<211> 174
<212> DNA
<213> Homo sapiens

<400> 33388
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ttacaatttt atagtcatat ttatttcttt gtataatage attctgagac tttta 174

<210> 33389
<211> 188
<212> DNA
<213> Homo sapiens

<400> 33389
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agattttttt cccottaaaa tgaattatct ttccaaagat tagactcagt atgagagtag 180
gtgagacc 188

<210> 33390
<211> 289
<212> DNA
<213> Homo sapiens

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aacgacgcac tgataaaaag gttagttggt ttggccatgt gaaagtttaa acttggttgg 180
gttcggtggt tcatacctgt aatcccagta ttttggaagg ctgaggcagg aggattgctt 240
gatcccagga atttcaagat cagcctgggc cacataggga gacccccac 289

<210> 33391
<211> 286
<212> DNA
<213> Homo sapiens

<400> 33391
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gtcttggttg acacaagcag gccccaaact gccatgaaag ccctccaacc ccactctccg 180
cagtttggca acctggcctc agtcctctta gattcggcag cagtcaccag attacccagg 240
taccagga tttgagatgc ggatgctaaa gccgaactct gtccgc 286

<210> 33392
<211> 266
<212> DNA
<213> Homo sapiens

<400> 33392

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 ttgagcacct gtgcctatgt ggagattaaa cacattgcgg ggcattgaag aacagtgttg 180
 ggggtgttatt agcacaacac tggttctagg gagctcaggg agtgagcact tatctctgcc 240
 tgagtgggct tcctggagga ggtgca 266

<210> 33393

<211> 200

<212> DNA

<213> Homo sapiens

<400> 33393

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 gaaaagggtga tgtggacttg taaaagggtg tactcaaata ttgaaggaag agaatttcct 180
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<210> 33394

<211> 64

<212> DNA

<213> Homo sapiens

<400> 33394

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<210> 33395

<211> 219

<212> DNA

<213> Homo sapiens

<400> 33395

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 aggatgaacc agaactaacc gcttttcac acctacctcc caatcaaata tcaaggaatt 180
 tcaagacaag ttgtgttgg actgagcaga gcaggaacg 219

<210> 33396

<211> 143

<212> DNA

<213> Homo sapiens

<400> 33396

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 ttttattctt tcatttacat aattataaat tagattaagt tttcaatggt aagctaccct 120
 tgcatttatg aaataaacca cgc 143

<210> 33397

<211> 283

<212> DNA

<213> Homo sapiens

<400> 33397

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004220" 666E7560

gttccctctg ttatgattcc tcctgttggc ccccttcttc cagccctgbm agtagcttct 120
atccagcktg agactcagct tcttggccag gcagggtggc tcccgcctgt ggtcccagca 180
ctttgggagg cggaggagga aggatcactt ggtccagaa gtttgagact agcctgggca 240
acagagcaag acccgtctct acaaaaaata aaatagccag gca 283

<210> 33398
<211> 235
<212> DNA
<213> Homo sapiens

<400> 33398
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tattcgtgta cattaatttc tgttttttagg gttgscctat atcttctagc atgagtgtta 120
aggagaaaaag aatgattata aatgatcaat gtcaaaaatat gattcttgaa gatacaataa 180
gtttaaattt ttytttctta atagagttgt taaggcaaat gactttggga agatg 235

<210> 33399
<211> 149
<212> DNA
<213> Homo sapiens

<400> 33399
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cactttgact taatttcata caaagctctg atgacaggcc atgactgtag agtggtcaga 120
actgtgtggt tggtttgagg gagcgaatt 149

<210> 33400
<211> 168
<212> DNA
<213> Homo sapiens

<400> 33400
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ttccattatc agaagtaaat aactacttca acttatttga cttttactct taacaaagtg 120
ccatgagatg atggtgatta tcaaactcct ttgttttata aagccctt 168

<210> 33401
<211> 168
<212> DNA
<213> Homo sapiens

<400> 33401
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atagactata ttacagaaaag tggatgtgct gtccctgagag acaacactgg ggtagactg 120
aaaagacctt tcaaaatgtc ccaccttaag ccctacataa gagaatcc 168

<210> 33402
<211> 321
<212> DNA
<213> Homo sapiens

<400> 33402
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aacttttgag tgtttgcaaa gtgttacact aatgagcatt tcagttaac tagttcctta 120

ttgtttgact ctcgggatgg vmgcacactt gtgttctgaa catacttgta actgagtctt 180
 gacatacatt ctaaatacatt tcttaggatg atatcaagta cagtgtaaaag agtgggtgaaa 240
 aataacaaaa tgggcactag gagaattaga tgtaagtttt aactttgcct ttaattgttg 300
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<210> 33403
 <211> 154
 <212> DNA
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<400> 33403
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 tcccagctac ccaggaggct gaggcaggag aatcgcttga accggggagg tggagggtgc 120
 agtgagctga gatcacgcca ttgtactcca ccca 154

<210> 33404
 <211> 170
 <212> DNA
 <213> Homo sapiens

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 actgtagtct ttctatacac tggaatatct ggctatarma aagaatgaaa tattgatata 120
 tgctacraca ttgatgaact tcaaaaacat gctaagagaa agccagtctg 170

<210> 33405
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 33405
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 tggcattcaa gctgtccaat caatagctgc cgctgaaggg tggggctgga tggcgtaast 120
 acagctgaag gaagaacgtg agcacgaggc tct 153

<210> 33406
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 33406
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 ttagttttta ttatgtagct tctgttaata ttaagtgtt tttgtctgtt ttacctcaat 120
 ttgaacagat aagtttgct gcatgctgga gg 152

<210> 33407
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 33407
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 aatctttcaa actaccctga atctcaaaca aatgatctct gaagatctga agtgtgtgtg 120
 tgtgcatgtg tgtgtgtgtg ttgaagtoga gtcacctacc g 161

<210> 33408
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 33408
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 tcarraagcc ttgatccac atagcttta 89

<210> 33409
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 33409
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 ttcctcamtc tgtcaccag gtttgagtsc aktggcaaga ttatggctta c 171

<210> 33410
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 33410
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 agtcccagc cacatgtggc tattgagcat tgaatatgkt cagtgtggcc aaggaac 117

<210> 33411
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 33411
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<210> 33412
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 33412
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 tttttttttt tttt 74

<210> 33413
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 33413
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cacatttccct	tgcgaccctg	gcccttgagc	gacaaaaagg	gsaagcmaag	gctggcccga	120
sgaacggaga	gggcacatgg	cctagccaca	agtggagctt	ctgctccgcc	cgaaggatgc	180
gctggagcgg	cctcttcctt	ctgccacggg	ctttctttgc	caactagtag	gtagccagg	240
ctggtcttga	actccagacc	tcaagggatc	cgctgcctc	agctttrna	agtgcaggga	300
ttacaggtgg	agactggacc	tcagaagagg	gagtgggtgc	cccgagaact	cacagctagc	360
ggacagt						367

<210> 33414
 <211> 197
 <212> DNA
 <213> Homo sapiens

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gattccattg	tgataagcgc	acaaacagca	ctgtctgtcg	gtaatcggtg	ctactttatt	120
aatgattttc	tgttacactg	tatagtagtc	ctatggcacc	cccaccccat	ccctttcgtg	180
ccactcccgt	ccccacc					197

<210> 33415
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 33415						
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<210> 33416
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 33416						
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tctaaatgag	ttacaaatac	ttttggattt	agattcttgg	ggatttcaga	attgtatata	120
aagaattgtg	tatctgtgtt	gttgtaagtg	tatgcttctg	ggaaactata	gtttctgttt	180
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<210> 33417
 <211> 151
 <212> DNA
 <213> Homo sapiens

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gatgtaacat	aacttaattt	taggaggagc	g			151

<210> 33418
 <211> 167

<212> DNA

<213> Homo sapiens

<400> 33418

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ggatagcatt	gaatctataa	atcacttttg	gtagtatggc	cattttcacg	atattgattc	120
taatgtagac	gacaggttgg	tgagtgcagc	aaaccaccat	ggcagca		167

<210> 33419

<211> 222

<212> DNA

<213> Homo sapiens

<400> 33419

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ttatggtggg	taaaactgaa	ctggacagat	aattaatgtc	atacaacaac	aacagtgtcc	120
acaggaaagt	tccattttaa	caataaaaca	agccacataa	tattttcata	gtacctcaga	180
acagaaattg	gttgtgtggc	ttaagcaa	tcaaaggctg	ca		222

<210> 33420

<211> 311

<212> DNA

<213> Homo sapiens

<400> 33420

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aaacaagaca	actgaaatga	ggactttgcc	aaaagcttca	agaagtagcc	aacataactc	120
aacatccaaa	atgtctcctg	ccatttccct	taacactaca	gcctcagctg	gcacgtgatt	180
ggaatctcaa	ggcatgacaa	gcaagagtcc	aacgcaa	atgttgcgcc	accagcaag	240
tgttacagac	atccagccta	ttctagctgg	accctcactg	ctctctgccc	tgccacctca	300
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<210> 33421

<211> 109

<212> DNA

<213> Homo sapiens

<400> 33421

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<210> 33422

<211> 217

<212> DNA

<213> Homo sapiens

<400> 33422

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aagacaatat	cagggtgaca	ggtgaatgaa	cttaaatctt	cagtcttgct	tattcaccaa	120
aaaagtatac	tgctgtttt	ttctttaatt	attcaagggt	gatgactttt	aggaacatgt	180
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<210> 33423

<211> 265

<212> DNA

<213> Homo sapiens

<400> 33423

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gtttttgttc	ctccagagcg	ctgaggcctt	atttctgagt	gaggtggcct	tggtgccagc	180
taatgccact	gtttagtgtg	tgatgaacta	gaagtaacag	gttaattttg	gccagtagac	240
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<210> 33424

<211> 83

<212> DNA

<213> Homo sapiens

<400> 33424

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ctcccccgcc	gccagcagcc	ctt				83

<210> 33425

<211> 197

<212> DNA

<213> Homo sapiens

<400> 33425

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aaacctagca	aaaactttgc	tagtttagta	cttgtctcta	aattgatgtt	cacccatttc	120
aattattgac	ttattaatgg	tctttatfff	tctagcatag	ataacaattg	attctttaga	180
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<210> 33426

<211> 170

<212> DNA

<213> Homo sapiens

<400> 33426

attatatccc	agggttaagac	tcccacttag	cgctccccgc	ttgctgctgg	gagtaggggt	60
ataggggtga	ggaattaagc	tgcttagagc	atggggccaa	gcggacaggt	tggtttggga	120
ggctgaggtc	tctatggtgg	tgatggaaa	aggagaagca	agggacctgt		170

<210> 33427

<211> 104

<212> DNA

<213> Homo sapiens

<400> 33427

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<210> 33428

<211> 166

<212> DNA

<213> Homo sapiens

<400> 33428
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acctccgcct cctgggttca agcgattctc ctgcctcagc aggaga 166

<210> 33429
<211> 335
<212> DNA
<213> Homo sapiens

<400> 33429
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agaaaagtac atgttactcc ctaatcaagt gtgggatagt ataatccagc aggcaaccaa 120
aatgtggat atactgaaag ttggccaggt gcagtggcac atgcttaatt tcagcacttt 180
gggaggccaa ggtgggtgga ttgcttaagc ccaggagttt gagactggcc tggacaacat 240
ggcaaaacc tgactctact aaaaacacaa catttagcag ggcatggtgg tgtgtgcctg 300
tgggcccagc tactatagaa actgaggtag gatk 335

<210> 33430
<211> 126
<212> DNA
<213> Homo sapiens

<400> 33430
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agcata 126

<210> 33431
<211> 148
<212> DNA
<213> Homo sapiens

<400> 33431
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tgatctgatg tggtttcaac taaccgaagg tctcaccatg ttaaaatgcc ggcggactct 120
acggcgtttt gtagatcccc ccccccc 148

<210> 33432
<211> 388
<212> DNA
<213> Homo sapiens

<400> 33432
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aagagcagag ttattcatga ctgttcttta tacactaaaa gcatgcatct aatctaatag 120
tcctcttatt atgcttttag ttgtatgagt ctctttctat gaactgaaca caaaactcag 180
gaattggtgg cttaatttta gatcagtgtg tgtactaggc ttagttatat gaatctttat 240
aacacataat tactaacttt gtagccatat atgtaattga ctttgaatgt tatttacctg 300
aaattaatct tccttcacac atggacckrt aaacggttcc cagttgtctg agagcctcat 360
gagggtttct aggatttatg acctatag 388

<210> 33433
<211> 154

<212> DNA

<213> Homo sapiens

<400> 33433

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ggcttgacaa ctccactggg ttctgctccc actggcccta cctctgtrkg aggtgttcgc	120
caggcacccc atgcggtcac cagcagacag ccca	154

<210> 33434

<211> 59

<212> DNA

<213> Homo sapiens

<400> 33434

ttctctgttg tatgttgat tatgtaggaa atgtttgtgt acaattcaaa aaaaaaaaa	59
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<210> 33435

<211> 319

<212> DNA

<213> Homo sapiens

<400> 33435

aagaaaggct cttcctggga agctgagaag gggcatgcac agcgtscaga tgggtgtaca	60
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tggcttacca aatccaaaca tgtttccttt tagactgccg taatcactgt agaaaatgga	180
aagaccatcc aatttgagga agagatgatg aagagagcac ttcagtattc tccgagtgt	240
ggaattccag agcttttgtc ctggctaaaa cagttacaaa taaaattgca wnatcctct	300
accatccagh hhaaacca	319

<210> 33436

<211> 216

<212> DNA

<213> Homo sapiens

<400> 33436

cataaactaa gaactgagag cggaaaactg gaatttgaac ctaaacaatt aggccctttt	60
actttcccca gcatctactt tccctttgtt ttggtctaaa aacagtctgt ctgtatgtct	120
ataaataaat taacacctgg tctttctttg atagtggaga actagaaagt actgtaggtc	180
taatattgtc aaagtgagac cttgtctgtg ggccgc	216

<210> 33437

<211> 154

<212> DNA

<213> Homo sapiens

<400> 33437

atatgataaa atctctacca gtaaagctca agtttgattg cagtagagat tgattagggt	60
acagaaagac aagtaaaca atgattacat gcatggtag ggcagcagta gagctataca	120
aaatacgtgt agtaaaaact acagagaag gatc	154

<210> 33438

<211> 105

<212> DNA

<213> Homo sapiens

<400> 33438
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 tagtttttta aatagccagg tagttttatg tatttattat gtgca 105

<210> 33439
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 33439
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 ggtgacggga gtgctggtgc tgctgtctct ggactacctg acgaaa 106

<210> 33440
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 33440
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 tttattagtt ttatttatta ttattattat taccatttgt ttttttgaga cagattcttg 180
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 caggc 245

<210> 33441
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 33441
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 tgggtggcacc actggatttg accttttagag atttaccagg ctgcatgtgt ggtggatggt 180
 ggacagagga tgggggagag gcag 204

<210> 33442
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 33442
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 ttttagtagg cagttttatt actggttgcc accttaattt taggcttgac tttatgtttt 180
 gttaatgtga atctctgaaa gtgtaatatg tttcttttag ccttccagct ctgttttcct 240
 tgtggatctt ttgtggactt tgttggcctg atcctattct ccctttaata ctactgactc 300
 tctgttatct cttctatgct ctttaaccctg tagtagcttg atatatagag tgatctttcc 360
 ctgctgttac acaacttggc ctttagctgt 389

<210> 33443
 <211> 152
 <212> DNA

<213> Homo sapiens

<400> 33443

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ttcgggatct	ctggccccca	tccccttgtg	tgtgtccctc	tgcccagctc	ctgctgtaat	120
tagctccacg	tgtacccctt	tcactccctc	ac			152

<210> 33444

<211> 118

<212> DNA

<213> Homo sapiens

<400> 33444

aaatgatatt	ttagagtgtc	gatactcatt	ttctcttcgg	ttaaagaacac	aacacgatta	60
tttgtattta	tcttgtcgtc	cacacactca	ggattactca	ctgaggaatg	gggcgcgg	118

<210> 33445

<211> 192

<212> DNA

<213> Homo sapiens

<400> 33445

gaagatccgg	actctgggtg	ttttgctacc	gtgaccgttt	agaaacagag	tskcgctctg	60
tgcgccaggc	tggagtgcag	tgtggcccga	tctcagctca	ctgsaasccs	sacctcccg	120
gctcaagaga	tccaccass	tcagcttsss	aagtagctgg	gactacacgc	gcccgccacc	180
acaaccggcc	ta					192

<210> 33446

<211> 228

<212> DNA

<213> Homo sapiens

<400> 33446

attcttatgc	cctctatcaa	ccagatgagc	aaagctccag	aacagatgcc	ttcccttggc	60
agtctatgga	gttgaatgaa	gctgaaaact	caagggtcaag	gtcagggaac	tggtcagtga	120
gggagaattg	cacaatactc	tcagtgtgct	cagtaaccct	accatttcct	ttttccctca	180
gatactgtct	cactgcaaaa	taaattcttt	caatttgagt	ccctgcca		228

<210> 33447

<211> 115

<212> DNA

<213> Homo sapiens

<400> 33447

tattttaata	cgaagaggac	actcccgtgt	ggtaagggat	cccgtcgtct	catagattct	60
gtgtgcgtga	atgttccctc	ttggctgtgt	agacaccagc	gttgccccc	gccac	115

<210> 33448

<211> 103

<212> DNA

<213> Homo sapiens

<400> 33448

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ataattaaga ttccctcact tttttgaggg ccatgtgttg agt

103

<210> 33449

<211> 258

<212> DNA

<213> Homo sapiens

<400> 33449

aagcattacc	gggagcggga	atggcagtgc	caccaggacc	ccgagactcc	gagccatggg	60
ggctgcagca	cccgcgtga	ggaagccaag	ggacggaggc	aagcagcggg	aagacccgtt	120
ttcgaggccc	gcccgcatgt	ctttgcagct	cttctcacca	agaattggag	tctattttct	180
caactcatta	aatctgagct	ggctgtgtga	cttgcttttg	ccaaaaagac	tttagcaaat	240
aagatataag	caccgcac					258

<210> 33450

<211> 151

<212> DNA

<213> Homo sapiens

<400> 33450

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gaaggcgcg	gaagcctata	accaggggkt	taagaagtgt	ccccamtcca	caccctgtg	120
gcttttgctc	tctcggtgg	aggagaagat	t			151

<210> 33451

<211> 367

<212> DNA

<213> Homo sapiens

<400> 33451

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aattctgtat	atggagtagg	aaacactttc	ttaaagggtca	gggagccaat	gatcagaaat	180
aacaccagac	ggacagcaat	aggaaagaca	gagaatgatc	tgtaggtcg	tctaacagct	240
tatacattca	acctttcctt	gcctgtggta	tttaaattgtc	agtgcctgcc	cagagggtccn	300
gtagttatgt	cttgtaaatt	aactctgttc	tttcaattct	ttagatgaca	cagtttatct	360
ctttgtt						367

<210> 33452

<211> 192

<212> DNA

<213> Homo sapiens

<400> 33452

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aagcttgtcg	cacaggcagt	gggaaggggtg	ggttggaggt	ttctgagcac	cagaaaactt	120
tgagcattgt	tccggaagag	gcaagcggca	ggcatctgca	ccagagacac	tgccgggtcc	180
gagcgagggc	ag					192

<210> 33453

<211> 180

<212> DNA

<213> Homo sapiens

001220" 666E7560

<400> 33453

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tgggccagtt ttactcattg atttgacagg attttaaga gatcagttgt ctgaaataag	120
acgtgaatgt tacatgagag ataaatgttt tcagacacta gaaaatcgca atgccaacga	180

<210> 33454

<211> 142

<212> DNA

<213> Homo sapiens

<400> 33454

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tcaataatag aggagccca gaataatagc caagtwaata gaatccctaa tctttggctt	120
gttcatatat ttaccaacg tc	142

<210> 33455

<211> 238

<212> DNA

<213> Homo sapiens

<400> 33455

caaagtactg ctcttgcccc ccaggctgga gtgcagtgge acgatctcgg gtcactgcgg	60
cctccgcctc ctgggttcaa gcgattctcc tgccctcgcc tcctgagtag ctgggattac	120
aggcacctgc caccatgccc ggcgaatttt tgtatgttta gtagagacag ggtttcatca	180
cgttggccag actggtctcg nctcctgac agcaggtgat cagcctgcct cagcctcc	238

<210> 33456

<211> 118

<212> DNA

<213> Homo sapiens

<400> 33456

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aattgatctt atagtcagaa atatggatct ggtagcccca catggaaaca gccggatc	118

<210> 33457

<211> 121

<212> DNA

<213> Homo sapiens

<400> 33457

gtatttccgc gggcgctgag cactagagag agcgtcttgt ggctgcggca gggcccagag	60
agtggctctt ccaagaacct ctggtggcct cccaaggccg gtgctgtgta cctcctcacc	120
c	121

<210> 33458

<211> 111

<212> DNA

<213> Homo sapiens

<400> 33458

caaaactgag agggatagga aagaaaaact tatccaggaa ggaaaattgg atcgaacatt	60
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<210> 33459

<211> 175

<212> DNA

<213> Homo sapiens

<400> 33459

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ccggaacgc	attctacgcc	tgctacagac	aggcaccgaa	gagggctccc	tggatccaa	120
atcagatagt	gccatggaac	catccccag	cccagccccg	caagcccagc	ccgca	175

<210> 33460

<211> 94

<212> DNA

<213> Homo sapiens

<400> 33460

tgaaagacag	aaaaaaggag	tttgaggagc	tcattgactc	caaccacgac	ggcatcgtga	60
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<210> 33461

<211> 94

<212> DNA

<213> Homo sapiens

<400> 33461

ttctgatgag	tccagaaaac	tacgttttgt	cagtagcaat	acactaggca	gtaaaatata	60
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<210> 33462

<211> 225

<212> DNA

<213> Homo sapiens

<400> 33462

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attgtgtctt	attggagatt	gttttgtctc	aagtattkgc	tggcaragta	tttkattaat	120
gggtgcactt	taaaattttt	tgtttttcag	actaccagtt	taggtagccc	agtactcaat	180
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<210> 33463

<211> 178

<212> DNA

<213> Homo sapiens

<400> 33463

aaagcttttg	ggtggagctg	aagcacactg	cttattaaag	tacactattc	aggcatatca	60
tgtaggttta	ctttctgtgt	ttctagagac	caagaagcgg	gacgttcacc	atgggaagaa	120
aatcgctgta	ccttctgatt	gtggggatcc	tcatagcata	ttatatttat	acgcctac	178

<210> 33464

<211> 98

<212> DNA

<213> Homo sapiens

<400> 33464

aacacaggct gagcagtcag gccacagca tctgaccca ggcccagctc gtccctggctg 60
gcctgggtcg gcctctggag tatggctctgg csggtrcc 98

<210> 33465

<211> 94

<212> DNA

<213> Homo sapiens

<400> 33465

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taaatttttt aaattacttt aaattctacc acgc 94

<210> 33466

<211> 125

<212> DNA

<213> Homo sapiens

<400> 33466

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aaacatggcc taaataacca rsatvsgatt tacatrkwma gtttcasact accttattac 120
caaaa 125

<210> 33467

<211> 101

<212> DNA

<213> Homo sapiens

<400> 33467

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gtaacatttc tctctctctc tctttttttt ttttttttt t 101

<210> 33468

<211> 93

<212> DNA

<213> Homo sapiens

<400> 33468

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gcccggctct wmgacgtgcg ctctcgcgag gat 93

<210> 33469

<211> 66

<212> DNA

<213> Homo sapiens

<400> 33469

cctactagat tggctactgt tcctagtctt tttagtagac aaagctagga agtatgtttc 60
atctgt 66

<210> 33470

<211> 213

<212> DNA

<213> Homo sapiens